Reducing the Inflow of Unskilled Foreign Workers

Akira Shimada
Faculty of Economics, Nagasaki University

Abstract
This paper investigates the effects of minimum wages on the inflow of unskilled foreign workers in a two-country macroeconomic model. We assume that all workers are unskilled and both countries’ labor markets are competitive. In this model, workers move from a country of lower expected real-consumption wages (nominal wages divided by the consumer price index and multiplied by the probability of employment) to a country of higher wages. This paper shows that, in cases where minimum wages are not introduced, workers move from a country with a larger domestic labor force (initial labor endowment) to a country with a smaller one. If minimum wages are introduced into a country with a smaller domestic labor force, such migration can likely be reduced. This results from the fact that a country with a smaller domestic labor force, by increasing its minimum wages, decreases its expected real-consumption wages because decreases in the employment probability will be larger than increases in real-consumption wages.

JEL Classification: F41; F22; J38

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1. Introduction

Today most workers moving among countries are unskilled workers migrating from developing countries to developed countries. Many developed countries are now experiencing large inflows of unskilled foreign workers. It is reasonable for unskilled workers to migrate, since working conditions in their home countries are inferior to those in developed countries. However, many developed countries, including Japan where about 80% of foreign workers are estimated to be unskilled, are reluctant to accept unskilled foreign workers, while encouraging skilled foreign workers’ immigration.\(^1\) This is because the large inflow of unskilled foreign workers likely helps to preserve low-wage industries and hinder the improvement of working conditions and labor productivity.\(^2\) For these reasons, many developed countries are trying to reduce the inflow of unskilled foreign workers mainly by implementing immigration control laws and government regulations. However, such laws and regulations are not always effective in reducing the inflow of unskilled foreign workers, since, as we said earlier, seeking better working conditions is rational behavior, which is difficult to control. Accordingly, we need to investigate this problem in terms of economics and have to find a way to reduce the inflow of unskilled foreign workers considering the rationality of their behavior.

International migration of labor is strongly connected with open macroeconomies. It has close relations to markets in macroeconomies, exchange rates and policy authorities’ behavior. However, it has not been sufficiently analyzed in the context of open macroeconomic frameworks except by Agiomirgianakis (1998). Since unskilled foreign workers’ inflow is one of the most serious migration problems and we are trying to reduce it by governmental economic policies, we need to employ open macroeconomic models for the analysis.

Therefore we focus in this paper on the reduction of unskilled foreign workers’ inflow in an open macroeconomic model. In particular, we explore the effectiveness of policy authorities’ manipulation of minimum wages. For this purpose, we assume a two–country economy with


\(^{2}\) In Japan, the government formally takes the position not to accept unskilled foreign workers. Actually, many unskilled foreign workers continue to enter Japan as foreign students or foreign trainees.
different initial labor endowments and workers migrating between two countries because of differences in expected real-consumption wages, that is, nominal wages divided by the consumer price index and multiplied by the employment probability.

Our analysis shows that unskilled workers migrate from a foreign country with a larger domestic labor force (initial labor endowment) to a home country with a smaller one if there are no minimum wages. This is because the home country with a smaller domestic labor force has higher nominal wages and a lower consumer price index, which implies that it has higher expected real-consumption wages. And unskilled workers are assumed to migrate from a country with lower expected real-consumption wages to a country with higher ones. If minimum wages are introduced into the home country with a smaller domestic labor force, the home country can reduce unskilled workers' migration from the foreign country with a larger domestic labor force by increasing home country's minimum wages. This is because, by increasing minimum wages, the home country with a smaller domestic labor force reduces its employment probability and increases its real-consumption wages, and the former effects are stronger than the latter effects.

In what follows, we first set out a two-country economic framework with different domestic labor forces between two countries and assume factors initiating international migration of labor. We then examine how unskilled workers migrate between two countries without introducing minimum wages and we also examine the effects of minimum wages on unskilled workers' migration. We finish the paper with a discussion of the implications of our findings.

2. The Model

We consider a two-country economic model where home and foreign countries are almost symmetric in their economic structures. They are interdependent through international trade of goods and international migration of labor. In each country, there are unskilled workers, a firm and a policy authority. The model, however, disregards skilled workers and labor unions.

Each country's labor market is perfectly competitive in a case where minimum wages are not introduced. In such a case, each country's nominal wages and employment levels are determined to equate its demand for and supply of labor.

Workers can move between the two countries. In a case where workers born in a foreign country migrate to a home country, the home country's labor force consists of workers born in
home and foreign countries. In another case where workers born in the home country migrate to
the foreign country, the foreign country’s labor force consists of workers born in foreign and home
countries.

In each country, a firm demands labor to produce a single kind of product. Home country’s
product (Foreign country’s product) is not only demanded in the home country (the foreign coun-
try) but also in the foreign country (the home country), and is exported there. Home and foreign
countries’ products are imperfect substitutes.

We assume that each country has its money market and money is the only financial asset held
by its domestic residents.

The model is summarized by Equations (1)–(7). Structural equations of this paper are the
same as ones employed by Jensen (1993), Zervoyianni (1997), Agiomirgianakis (1998) and Shi-

Variables without stars refer to the home country and variables with stars refer to the foreign
country.

\[ y = al, \quad y^* = a^*l, \quad 0 < a < 1. \]  \( y = y^* \)

\[ l = -\frac{1}{1-a}(w - p) + \frac{1}{1-a}\ln a, \quad l^* = -\frac{1}{1-a}(w^* - p^*) + \frac{1}{1-a}\ln a. \]  \( l = l^* \)

\[ z = e + p^* - p. \]  \( z = z^* \)

\[ y - y^* = bz, \quad b > 0. \]  \( y = y^* \)

\[ q = p + cz, \quad q^* = p^* - cz, \quad 0 < c < 1/2. \]  \( q = q^* \)

\[ w_e = w - q, \quad w_e^* = w^* - q^*. \]  \( w = w^* \)

\[ m = p + y, \quad m^* = p^* + y^*. \]  \( m = m^* \)

Eq. (1) is the production functions of home and foreign countries’ firms, where \( y \) is output of the
home country’s firm (the home country’s national product), \( y^* \) is output of the foreign country’s
firm (the foreign country’s national product), \( l \) is the home country’s employment level, \( l^* \) is
the foreign country’s employment level, and \( a \) is a constant not expressed in the log. Eq. (2) is
the labor demand functions of home and foreign countries’ firms, where \( w \) is the home country’s
nominal wage, \( w^* \) is the foreign country’s nominal wage, \( p \) is the home country’s product price
and \( p^* \) is the foreign country’s product price. They are derived from the profit maximization of
each country’s firm. Eq. (3) is the definition of the real exchange rate \( z \), where \( e \) is the
nominal exchange rate measured as units of home country’s currency per unit of foreign country’s
currency. Eq. (4) is the equilibrium condition of both countries’ trade balances, where \( b \) is a
constant not expressed in the log. If the real exchange rate (the difference in the two countries’ national product) has stronger effects on the trade balance than the difference in the two countries’ national product (the real exchange rate), then $b$ is larger (smaller) than 1.3 Eq. (5) is definitions of the home country’s consumer price index $q$ and the foreign country’s consumer price index $q^*$, where $c$ is a constant not expressed in the log3 Eq. (6) is definitions of home country’s real–consumption wages $w_c$ and foreign country’s real–consumption wages $w^*_c$. Eq. (7) is the equilibrium conditions of home and foreign countries’ money markets, where $m$ is the home country’s money stock and $m^*$ is the foreign country’s money stock. We assume each country’s policy authority does not manipulate its money stock, which implies $m$ and $m^*$ are constants throughout the analysis.5

In this paper workers are assumed to migrate because of differences in expected real–consumption wages between two countries. Assuming workers in each country have the same employment opportunity, in other words, native and foreign workers in the same country have the same employment probability, if home country’s expected real–consumption wages $l - l^f + w_c$ are higher than foreign country’s expected real–consumption wages $l^* - l^f + w^*_c$, then workers born in the foreign country migrate to the home country by

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3 Home country’s trade balance $TB$ and foreign country’s trade balance $TB^*$ are defined as,

$$TB = -TB^* = \alpha_1 z - \alpha_2 (y - y^*), \quad \alpha_1, \alpha_2 > 0,$$

where $\alpha_1$ and $\alpha_2$ are constants not expressed in logs. The equilibrium of both countries’ trade balance requires,

$$y - y^* = (\alpha_1/\alpha_2) z.$$

Replacing $\alpha_1/\alpha_2$ with $b$, we get Eq. (4). In a case where the real exchange rates have stronger effects on the trade balance than the difference in the two countries’ national product, $\alpha_1$ is larger than $\alpha_2$ implying $b$ is larger than 1. In another case where the difference in the two countries’ national product has stronger effects on the trade balance than the real exchange rate, $\alpha_2$ is larger than $\alpha_1$ implying $b$ is smaller than 1.

4 Home country’s price index not expressed in the log is $P^{i-c}(EP)^c$ and foreign country’s price index not expressed in the log is $P^{i-c}(P/E)^c$, where $P \equiv \exp p$, $E \equiv \exp e$, and $P^* \equiv \exp p^*$.

5 In this paper, policy authorities’ role is limited to manipulating minimum wages. See section 3.
\[ d(l-l^f + w_c - (l^* - l^f + w_c^*)) \], where \( l^f \) is the home country's effective labor force, \( l^* \) is the foreign country's effective labor force and \( d \) is a positive constant not expressed in the log. On the other hand, if foreign country's expected real-consumption wages are higher than home country's expected real-consumption wages, then workers born in the home country migrate to the foreign country by \( d(l^* - l^f + w_c^* - (l-l^f + w_c)) \).

Assumptions on international migration of labor lead to the following definitions of the home country's effective labor force \( l^f \) and the foreign country's effective labor force \( l^f \).

\[ l^f = \bar{l} + d(l-l^f + w_c - (l^* - l^f + w_c^*)) \]  \hspace{1cm} (8.1)
\[ l^f = \bar{l}^* + d(l^* - l^f + w_c^* - (l-l^f + w_c)) \]  \hspace{1cm} (8.2)

where \( \bar{l} \) is the home country's domestic labor force in the absence of international migration of labor (the home country's initial labor endowment) and \( \bar{l}^* \) is the foreign country's domestic labor force in the absence of international migration of labor (the foreign country's initial labor endowment). This paper, being different from Shimada (1999, 2000, 2002b), assumes that \( \bar{l} \) is smaller than \( \bar{l}^* \).\(^6\) Two countries' economic structures are symmetrical except for the difference in their domestic labor forces.

Through appropriate substitutions, Eqs. (1)–(7) can be solved for \( l, l^*, y, y^*, p, p^*, z, q, q^*, w_c, w_c^* \) as functions of \( w, w^*, m, m^* \).

\[ l = m - w + \ln a. \]  \hspace{1cm} (9.1)
\[ l^* = m^* - w^* + \ln a. \]  \hspace{1cm} (9.2)
\[ y = a(m - w) + a \ln a. \]  \hspace{1cm} (9.3)
\[ y^* = a(m^* - w^*) + a \ln a. \]  \hspace{1cm} (9.4)
\[ p = (1-a)m + aw - a \ln a. \]  \hspace{1cm} (9.5)
\[ p^* = (1-a)m^* + aw^* - a \ln a. \]  \hspace{1cm} (9.6)
\[ z = \frac{a}{b}(m - w - (m^* - w^*)). \]  \hspace{1cm} (9.7)
\[ q = \left(-a + \frac{ac}{b}\right)(m-w) + m - \frac{ac}{b}(m^* - w^*) - a \ln a. \]  \hspace{1cm} (9.8)
\[ q^* = \left(-a + \frac{ac}{b}\right)(m^* - w^*) + m^* - \frac{ac}{b}(m-w) - a \ln a. \]  \hspace{1cm} (9.9)

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\(^6\)Shimada (2001) explicitly introduced capital stock and labor into the model as factors of production and investigated cases where two countries have different capital stocks and where two countries have different domestic labor forces in the absence of international migration of labor.
Substituting labor demand functions (Eq. 2) into production functions (Eq. 1), we obtain aggregate supply functions that positively relate the product price to output in each country. As money stocks increase, the curves equilibrating money markets (Eq. 7) shift upward to the right, resulting in increases in output and product prices (see Eqs. 9.3–9.6). Increases in nominal wages shift the aggregate supply curves upward to the left, causing decreases in output and increases in product prices (see Eqs. 9.3–9.6). Since each country’s output is an increasing function of each country’s employment level, the employment levels increase as we increase money stocks and decrease as we increase nominal wages (see Eqs. 9.1 and 9.2).

Increases in the home country’s money stock and/or decreases in home country’s nominal wages decrease home country’s net exports by increasing home country’s output. Decreases in the foreign country’s money stock and/or increases in foreign country’s nominal wages increase foreign country’s net exports by decreasing foreign country’s output. To keep the equilibrium of both countries’ trade balances, real exchange rates have to depreciate, in other words, \( z \) has to increase (see Eq. 9.7).

Increases in the home country’s money stock not only increase the home country’s product price, but also increase the foreign country’s product price expressed in terms of home country’s currency by increasing home country’s output and depreciating real exchange rates (increasing \( z \)). Accordingly, increases in the home country’s money stock lead to increases in the home country’s consumer price index (see Eq. 9.8). On the other hand, decreases in home country’s nominal wages decrease the home country’s product price, while they increase the foreign country’s product price expressed in terms of home country’s currency by increasing home country’s output and depreciating real exchange rates. Accordingly, effects of home country’s nominal wages on the home country’s consumer price index are ambiguous (see Eq. 9.8).

Increases in the foreign country’s money stock and/or decreases in foreign country’s nominal wages decrease the foreign country’s product price expressed in terms of home country’s currency by increasing foreign country’s output and appreciating real exchange rates (decreasing \( z \)). Accordingly, increases in the foreign country’s money stock and/or decreases in foreign country’s

\[
w_c = \left(1 - a + \frac{ac}{b}\right)(w - m) - \frac{ac}{b}(w^* - m^*) + a \ln a. \tag{9.10}
\]

\[
w^*_c = \left(1 - a + \frac{ac}{b}\right)(w^* - m^*) - \frac{ac}{b}(w - m) + a \ln a. \tag{9.11}
\]
nominal wages lead to decreases in the home country’s consumer price index (see Eq. 9.8).

Therefore increases in the home country’s money stock, decreases in the foreign country’s money stock and/or increases in foreign country’s nominal wages bring about decreases in home country’s real-consumption wages by increasing the home country’s consumer price index (see Eq. 9.10).

Increases in home country’s nominal wages increase home country’s real-consumption wages directly. They also increase home country’s real-consumption wages by appreciating real exchange rates (decreasing $z$) and decreasing the home country’s consumer price index. On the other hand, increases in home country’s nominal wages decrease home country’s real-consumption wages by increasing the home country’s product price and the home country’s consumer price index. Since the former two effects are stronger than the latter effects, increases in home country’s nominal wages lead to increases in home country’s real-consumption wages (see Eq. 9.10).

We can explain Eqs. (9.9) and (9.11) in the same way as we do Eqs. (9.8) and (9.10).

3. Minimum Wages and International Migration of Labor

This section first tries to show that in the absence of minimum wages, workers in the foreign country with a larger domestic labor force migrate to the home country with a smaller one, then introduces minimum wages into the home country and investigate its effects on migration of foreign country’s workers to the home country.

In the case where minimum wages are not introduced, all of the effective labor force are employed in each country, consequently Eqs. (8.1) and (8.2) are rewritten as,

\[ l^f = \bar{l} + d(w_c - w^*_c), \quad (8.1') \]
\[ l^{*f} = \bar{l}^* + d(w_c^* - w^*_c). \quad (8.2') \]

From the equilibrium condition of the home country’s labor market $l = l^f$, the equilibrium condition of the foreign country’s labor market $l^* = l^{*f}$ and Eqs. (9.1), (9.2), (9.10), (9.11), we get following equations.

\[ \left\{ 1 + d\left(1-a + \frac{2ac}{b}\right) \right\} (m - w) - d\left(1-a + \frac{2ac}{b}\right) (m^* - w^*) = \bar{l} - \ln a. \quad (10) \]
\[ -d\left(1-a + \frac{2ac}{b}\right) (m - w) + \left\{ 1 + d\left(1-a + \frac{2ac}{b}\right) \right\} (m^* - w^*) = \bar{l}^* - \ln a. \quad (11) \]
Substituting \( m - w \) and \( m^* - w^* \) solved from Eqs. (10) and (11) into Eqs. (9.10), (9.11), (8.1') and (8.2'), we get both countries' effective labor forces in the absence of minimum wages.

\[
l^f = \bar{l} + d\left(1 - a + \frac{2ac}{b}\right)\left\{1 + 2d\left(1 - a + \frac{2ac}{b}\right)\right\}^{-1} \left(-\bar{l} + \bar{l}^*\right). \tag{12.1}
\]

\[
l^{f'} = \bar{l}^* + d\left(1 - a + \frac{2ac}{b}\right)\left\{1 + 2d\left(1 - a + \frac{2ac}{b}\right)\right\}^{-1} \left(-\bar{l}^* + \bar{l}\right). \tag{12.2}
\]

Eqs. (12.1) and (12.2) show that \( l^f \) is larger than \( \bar{l} \) and \( l^{f'} \) is smaller than \( \bar{l}^* \) under the assumption of \( \bar{l} < \bar{l}^* \). This implies that workers born in the foreign country migrate to the home country. We can explain this result as follows. The smaller initial labor endowment of the home country makes its employment level and output smaller than those of the foreign country. This implies that home country's nominal wages are higher than those of the foreign country. Since \( z < 0 \), the home country's consumer price index is lower than the foreign country's consumer price index, if the product prices do not differ between two countries. On the other hand, the home country's product price is higher than the foreign country's product price. Since the former two effects are stronger than the latter effects, home country's real-consumption wages are higher than those of the foreign country.

Therefore it is rational for many of the foreign country's workers to migrate to the home country.

We have shown that the home country faces with the inflow of unskilled workers from the

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7 From Eqs. (9.10), (9.11), (9.1) and (9.2), the difference in real-consumption wages between two countries is,

\[ w^*_c - w^*_e = -(1 - a + 2ac/b)(\bar{l} - \bar{l}'). \]

Prior to the initiation of migration, \( w^*_c \) is higher than \( w^*_e \) since \( \bar{l} - \bar{l}' = \bar{l} - \bar{l}^* \) and \( \bar{l} < \bar{l}^* \).

8 In this paper migration does not equalize real-consumption wages between two countries. We can explain this as follows. Let us assume that real-consumption wages are equalized by migration. Equilibrium conditions of labor markets,

\[ \bar{l} + d(w^*_c - w^*_e) = m - w + \ln a, \]

\[ \bar{l}^* + d(w^*_c - w^*_e) = m^* - w^* + \ln a, \]

imply that two countries have different nominal wages, since \( \bar{l} < \bar{l}^* \). However, if nominal wages are different, real-consumption wages take different values between two countries according to Eqs. (9.10) and (9.11).
foreign country. Let us investigate whether the home country’s policy authority can reduce the inflow by manipulating its minimum wages. For this purpose, we assume two things. One assumption is that the home country’s policy authority determines the value of the minimum wage \( w_{\text{min}} \) to be equal to or higher than the nominal wage that equates the demand for and supply of home country’s labor. Another assumption is that the home country’s firm sets its nominal wages to be equal to or higher than minimum wages. Under these assumptions, the home country’s employment level is determined by the labor demand of the home country’s firm.\(^9\)

Since all of the foreign country’s effective labor force are employed and not all of the home country’s effective labor force are employed, Eqs. (8.1) and (8.2) are rewritten as,

\[
\begin{align*}
L' &= \tilde{L} + d(L - L') + w' - w^*, \\
L'' &= \tilde{L} + d(w' - (L - L' + w)).
\end{align*}
\]

From Eqs. (8.1’’), (9.1), (9.10) and (9.11), if the home country’s firm sets its nominal wages equally to minimum wages, the home country’s effective labor force becomes,

\[
L' = \frac{1}{1 + d} \tilde{L} - \frac{d}{1 + d} \left( -a + \frac{2ac}{b} \right) (m - w_{\text{min}}) + \frac{d}{1 + d} \ln a + \frac{d}{1 + d} \left( 1 - a + \frac{2ac}{b} \right) (m^* - w^*).
\]

Substitution of Eqs. (9.11), (9.1), (13) and (9.10) into Eq. (8.2’’) and the equilibrium condition of the foreign country’s labor market \( L' = L'' \) give us,

\[
m^* - w^* + \ln a = \frac{d}{1 + d} \tilde{L} - \frac{d}{1 + d} \ln a + \frac{d}{1 + d} \left( -a + \frac{2ac}{b} \right) (m - w_{\text{min}}) - \frac{d}{1 + d} \left( 1 - a + \frac{2ac}{b} \right) (m^* - w^*).
\]

Substituting \( m^* - w^* \) solved as a function of \( m - w_{\text{min}} \) into the right-hand sides of Eqs. (13) and (14), we get both countries’ effective labor forces in the case where minimum wages are introduced into the home country.

\[
\begin{align*}
L' &= \tilde{L} + d \left( 1 - a + \frac{2ac}{b} \right) \left[ \frac{d}{1 + d} \left( -a + \frac{2ac}{b} \right) (m - w_{\text{min}}) - \frac{d}{1 + d} \left( 1 - a + \frac{2ac}{b} \right) (m^* - w^*) \right], \\
L'' &= \tilde{L} - d \left( 1 - a + \frac{2ac}{b} \right) \left[ \frac{d}{1 + d} \left( -a + \frac{2ac}{b} \right) (m - w_{\text{min}}) - \frac{d}{1 + d} \left( 1 - a + \frac{2ac}{b} \right) (m^* - w^*) \right].
\end{align*}
\]

Before examining the effects of manipulation of minimum wages, let us consider a special case

\(^9\) The profit of the home country’s firm does not change if the home country’s employment level is determined by the labor demand of the home country’s firm.
where the home country's policy authority determines the value of minimum wage to be equal to
the nominal wage that equates the demand for and supply of home country's labor. In this case,
if the home country's firm sets its nominal wages equally to minimum wages, all of the effective
labor force are employed in both countries. In such a case, Eqs. (15.1) and (15.2) coincide with
Eqs. (12.1) and (12.2) respectively and workers born in the foreign country migrate to the home
country.

We then raise home country's minimum wages from the equilibrium nominal wage. According
to Eq. (15.1), its effects on the home country’s effective labor force are ambiguous. However,
if $b > 1$, then increases in home country’s minimum wages decrease the home country’s effective
labor force. This result can be explained as follows. As we increase home country’s minimum
wages, the employment probability in the home country $l - l^f$ decreases, although the difference in real-consumption wages between two countries $w_c - w_c^*$ increases. If $b > 1$, then the
former effects are stronger than the latter effects, which implies home country’s expected
real-consumption wages become smaller as we increase home country’s minimum wages.
Therefore in the case of $b > 1$, fewer unskilled workers migrate from the foreign country to the
home country as home country’s minimum wages increase.

On the other hand, if $b < 1$, then the increases in home country’s minimum wages increase
the home country’s effective labor force and decrease the foreign country’s effective labor force.
This result implies that in the case of $b < 1$, more unskilled workers migrate from the foreign
country to the home country as home country’s minimum wages increase.

Results derived above are summarized as follows. If $b > 1$, then the home country can
reduce unskilled workers’ migration from the foreign country by increasing home country’s mini-
mum wages. On the other hand, if $b < 1$, increasing home country’s minimum wages urges
unskilled workers’ migration from the foreign country.

\[ dl^f/dw_{\text{min}} = d(1 + d)^{-1}(1 + d(1 + d)^{-1}(1 - a + 2ac/b))^{-1}(-a + 2ac/b). \] If $b > 1$, then $dl^f/dw_{\text{min}} < 0$.

\[ d(l - l^f)/dw_{\text{min}} = -(1 + d(1 + d)^{-1}(1 - a + 2ac/b))^{-1}(2d(1 + d)^{-1}(1 - a + 2ac/b) + d(1 + d)^{-1}) < 0. \]

\[ d(w_c - w_c^*)/dw_{\text{min}} = [1 + d(1 + d)^{-1}(1 - a + 2ac/b)]^{-1}(1 + 2d)(1 + d)^{-1}(1 - a + 2ac/b) > 0. \]

If the home country’s policy authority continues to increase its minimum wages, it will soon
happen that workers born in the home country will migrate to the foreign country.
Whether $b$ is larger than 1 or not, that is, whether the real exchange rates have stronger effects on the trade balance than the difference in two countries' national product or not is an empirical problem. However, according to Agiomirgianakis (1998, footnote 9), for most countries empirical evidence suggests that the real exchange rates have stronger effects and this allows us to conclude $b > 1$. Therefore it is very likely by increasing home country's minimum wages, the home country can reduce the inflow of unskilled workers from the foreign country.

4. Conclusions

Many developed countries are now suffering from the inflow of unskilled foreign workers. However, it is difficult for these countries to prevent it only by immigration control laws and government regulations, since it is rational for unskilled foreign workers to migrate to countries where they can get better working conditions. Using an open macroeconomic framework, this paper tried to find a way to reduce the inflow of unskilled foreign workers by considering the rationality of their behavior. This paper showed that it is very likely a home country with a smaller domestic labor force can reduce the unskilled worker's inflow from a foreign country with a larger one by increasing home country's minimum wages. Our result suggests that if we abstract the negative effects of minimum wages on domestic unskilled workers, we can effectively reduce the inflow of unskilled foreign workers by appealing to the rationality of workers as well as using immigration control laws and government regulations.
References


