Modeling MA restrictions:equivalence/non-equivalence of tariffs and quotas with heterogeneous goods

Volume quotas

	Quantity imported by type			**P-differential**		**Excess demand curves**	
	$[Q_M]_{HC}$	$[Q_M]_{SC}$	Total	$[\tau_0]_{HC} = [P_D - P_W]_{HC}$	$[\tau_0]_{SC} = [P_D - P_W]_{SC}$	ED_{HC}	ED_{SC}
Free trade:						**ED = 210 – 3P**	**ED = 260 – 2P**
Quota regimes:							
$[Q_M]_{q1} = 200$			**200**				
$[Q_M]_{q2} = 150$			**150**				
$[Q_M]_{q3} = 100$			**100**				

Value quotas

	Hard cheese imports			**Soft cheese imports**			**Total import value**	**% ∆P = $\tau_{\%}$**	**Excess demand curves**	
	$[Q_M]_{HC}$	$[P_D - P_W]_{HC}$	$[V_M]_{HC}$	$[Q_M]_{SC}$	$[P_D - P_W]_{SC}$	$[V_M]_{SC}$			ED_{HC}	ED_{SC}
Free trade:									**ED = 210 – 3P**	**ED = 260 – 2P**
Quota regimes:										
$[V_M]_{q1} = 6000$							**6000**			
$[V_M]_{q2} = 4000$							**4000**			