

imports post = 2.53

How do no get DQs? From formula for PEOS: Es = Des. P

 $\triangle Q_d$: $\mathcal{E}_d = \underline{\triangle Q_d \cdot P} \longrightarrow \triangle Q_d = \underline{\mathcal{E}_d \cdot Q_d \triangle P} = \underline{\partial \cdot 1 - 6 \cdot 30} = 0.2$ $\underline{\triangle P \cdot Q_d} \longrightarrow \underline{\triangle Q_d = \underline{\mathcal{E}_d \cdot Q_d \triangle P}} = \underline{\partial \cdot 1 - 6 \cdot 30} = 0.2$

New imports: 5.8B - 3.25B = 2.55Change in PS = \$30.0.25 + \$30.3 = \$93.75

benefit change in CS = \$130.5,8 + 6.2.30 = \$1/77

Change in tax vevenue = \$30. imports = \$30. 2.55 = 76.5 beneft Less the admin cost = \$6,25B Net benefit: 93.75 + 76.5 - 0.25 - 177 = -7

b) 20% of the producer surplus — otax revenue $50 \triangle PS = 0.8.$93.75 = 75$ benefit CS = Same, i.e. - 177

Denefit same as before tax on producer admin surplus cost

METB = 925.95 = 23.75

MB = 75 - 177 + 95 + 23,75 = 16,75

Additional exercise: how low would the METB have to be to make NB switch back to 0?