Diagram of $\text{I}((Z))$

AV = Z AV the worker is indifferent
IF Z < AV the worker goes to the clean job
IF Z > AV the worker goes to the dirty job

Let Z denote the amount of consumer goods that a

Suppose B has a lower dissatisfaction
A has a high dissatisfaction from dirtiness

Diagram of worker's indifference curve
AV is the market price of dirtiness

Diagram of matching

Low clean-up costs will hire workers with high difficulty from firms and firms with high difficulty clean-up costs will hire workers. Matching of workers to firms in equilibrium.
Firm X has a high cost of clean-up
Firm Y has a low cost of clean-up

If $B > \Delta W$ then the firm will use the dirty technology
If $B < \Delta W$ the the firm will use the clean technology
If $B = \Delta W$ then the firm will be indifferent

Diagram of the firm’s isoprofit curve

Diagram of $f(B)$