if job i (node $B_i$) is chosen, then we get the benefit $b_i$, but must pay the cost $x_{1,i}$ of job 1 and job i on different machines, represented by node $X_i$. 
create a node $X_{i,j}$ to represent only one of jobs $i$ or $j$ ($i<j$) being ported, incurring a cost of $x_{i,j}$

but now we need a way to recover the cost $x_{i,j}$ if both jobs $i$ and $j$ are ported ...