





Ex. 7 Khapsack Vertex Uij Corresponds to knapsack with weight j Containing no items numbered higher than i. edges correspond to pitting one more item in.

(numboul higher than the items already in

the knapsaek) (uij) - Vk | (ukl) "put k in toapsaik"

take exists when in < k

and j+wk = l < W. Graph has G(nW) vertices, U(2W) edges.