





(4)

Suppose that A and B, and that A Sp B. Circle one answer for each

About briefly health your answer.

b. If a la NP Nord then A is NP Hard house. True False

ALL NP conglete, NP, P problems can be reduced to NP hard So not able to exactly define A.

2. WA IN EXPLOYMENT FE NIGHT IN IN EXPLOYMENT True False

Aredneed to 8 and its solution is EXP-complete means 18 is

3.Does A Sp 8 implies 8 Sp A in general? Austity -

True False

for example NP problem & Pathered to NP complete 8. But Cappor be reduced to

(b) In green theory, a deminating set for a graph G=(V,E) is a subset D of V such that every vertex g_iv in G is a subset b at least one member of D. An example of a Dominating set is the set of the 3 movies shown as bold for the graph G shown below:



ow 2 other. Dominating sets for the same graph.



es Power Set problem belong to NP-Complete problem? Explain your answers.

Power Set doen't belong to NP-Complete. Because, it can be Exp time using the Dynamic programming and it combe

