



Cleovardo Noel Peña Cital 1844607 ITS Final Exam

- ① It's appropriate when we have a big problem and we start with nothing
- ② When we have a problem, we have characteristics like constants, zone
- ③ When we have a problem it's more easier because we can make with data simple
- ④ For this problem I use my project the multistage problem because you have many items with different capacity, value and weight so we need make a constructive heuristic, to add items based on the value and weight
- ⑤ It's a very important step for find the better solution, we can use algorithm to make a heuristic, and we start with nothing
- ⑥ For this problem we need find the best way and the nearest possible, like we see in class room, we need make a graph or see like a where is the best site to put a supermarket, with the data can do the nearest points
- ⑦ TSP problem, it's a example you must define the problem and the objectives then define the objective function
- ⑧ to determinite the feasible solution we can see all possible conditions, we can union all subsets
- ⑨ the feasible solutions
 $X(2) = \{2, 4, 6, 8, 10\}, \{1, 5, 9\}, \{3, 7\}$ why? because all objects are no repeated