Assignment #2 wealt PO- For a x* ES is weakly PO if there does not exist another x ES. | f. (x) < f. (x*) f=1,--, m is not fufilled. 2-2 Znad & Zideal are ranges of the PO set. f2(32) 1 worst fl , best f2 Znad. best f1. worst f2 $f_1(\hat{\lambda})$ Zideal /> non-existent solution, - used as a ref solution to find PO solutions. - lover bound of each objective. Znadis - represent the upper bound of each Objective.

2.3

D. Si > minimized, f2 > minimized.

 $\{(2,4), (3,3), (4,2)\}$

2). $f_1 \neq \text{ininimized}, f_2 \neq \text{maximized}.$ $\{(1,6), (3,7)\}$

3). $f_1 \rightarrow \text{maximized}, f_2 \rightarrow \text{minimized}.$ $\{(\xi_1), (9,2), (11,3)\}$

9. S₁ → maximized, f₂ → maximized.
5(5,6), (9,6)}.

· sets are concave 2 disconnected.

· = ideal = (4,2), = nad = (6,9).

· Weak-Pareto dominance: { (1,6), (1,9,6), (1,3)}