

1) Choise is myst choose i $|X_{\lambda}| \leq |X_{\lambda}|$ 2) we must choose both i and j $\chi_{i} = \chi_{j}$ 6) Chouse at most t items Fim a set S ZX, St Choose any one item in a set S, must choose item to (tas)

x, < Xk Vjes

(3) Choose all items in
$$S$$
, must choose K .

$$\chi_{1} > \frac{1}{151} \sum_{j \in S} \chi_{j}$$

$$\chi_{k} \geq \sum_{j \in S} \chi_{j} - (|S|-1)$$

$$U \in S$$