HASSE Diegen, hes node ser every ett of P, edge t ; Ff · S = t , S = t , ether F = S ar F = t.

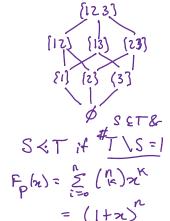
S "Cover veletions"

4-3-0-0

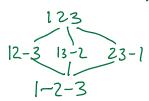
$$\int_{0}^{\infty} (x) = \sum_{i=0}^{n-1} \pi^{i}$$

$$= (\pi)_{n}$$

Bn=(S=[n], =)



TIN = (B+ [n], returned)



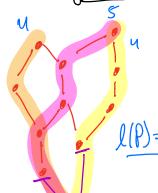
B&C if may 2 blocks

$$F_{\varphi}(x) = \sum_{i=0}^{n-1} S(n_i n - i) \approx c^{i}$$

- · Say Phes ô if I ô EP s. b ô St YtEP.
- · Chain in P is a seg lt,..., tx) s.t. ti \( \) titi

  · maximal if titis not properly contained in another chain.

  · saturated it \( \) XueP s.t. ti \( \) u \( \) titi some i
- · RANK of a finde poset? is l(f) = mex logter sourced Pis gradel if all mex'l chans have some beyon.



If Pisgred, then for teP l(t)= Tk(t) = max'l leigh chan six- ssx t

$$I(P)=5 \qquad F(x) = \sum_{i=0}^{n} P_i \times i$$

where fi = # elts of Pot ski