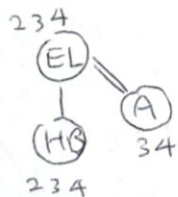


# Domain Reduction before Search

- put all variables on propagation queue (PQ) before any assignment/search

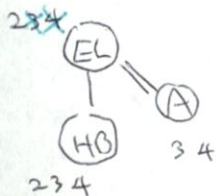


HB  
A  
EL

variable assigned/prop	values eliminated	IST

PQ  
A  
EL  
HB

} arbitrary order I chose  
(will be specified in problem)



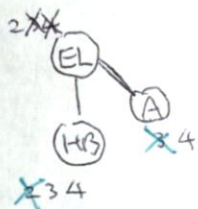
HB  
A  
EL

A	EL ≠ 3,4	
---	----------	--

PQ  
A

(didn't add EL again, because already in PQ)

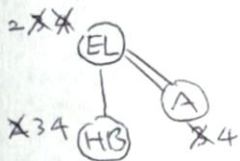
EL  
HB



HB  
A  
EL

A	EL ≠ 3,4	
EL	A ≠ 3 HB ≠ 2	

PQ  
A  
EL  
HB  
A

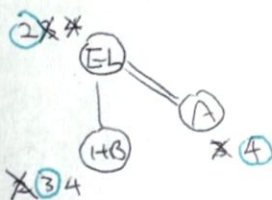


HB  
A  
EL

A	EL ≠ 3,4	
EL	A ≠ 3, HB ≠ 2	
HB	—	
A	—	

PQ  
A  
EL  
HB  
A

start search now that PQ is empty



HB (3) 4  
A (4)  
EL (2)

A	EL ≠ 3,4	
EL	A ≠ 3, HB ≠ 2	
HB	—	
A	—	
HB=3	—	
A=4	—	
EL=2		