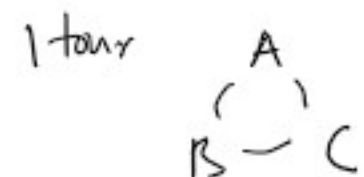


3 city: A, B, C $\frac{(3-1)!}{2} = \frac{2!}{2} = 1$



4 city: A, B, C, D $\frac{(4-1)!}{2} = \frac{3!}{2} = 3$

3 tour



ABCD
ABDC
ACBD

5 city: A, B, C, D, E $\frac{(5-1)!}{2} = \frac{4!}{2} = 12$

P, Q, R, S, T : total 12



(PQ) RST
(PQ) RTS
(PQ) SRT

QPRST
QPRTS
QPSRT

PQ & PR

~~(PQ) RST~~
~~(PQ) RTS~~
~~(PQ) SRT~~

QPRST✓
QPRTS✓
~~QPSRT~~

PQ, PR, ~RS

QPRTS



PQ, ~PR

(4)

(PQ) RST
(PQ) RTS
(PQ) SRT

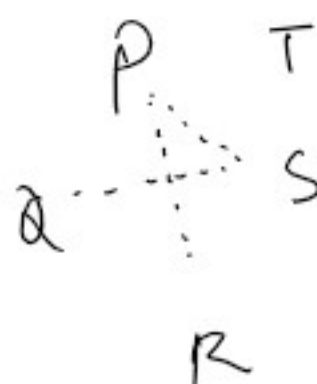
~~QPRST~~
~~QPRTS~~
QPSRT

PQ, ~PR, ~RS

~~(PQ) RST~~
(PQ) RTS
~~(PQ) SRT~~

~~QPRST~~
~~QPRTS~~
~~QPSRT~~

~PS, ~PR and ~QS,

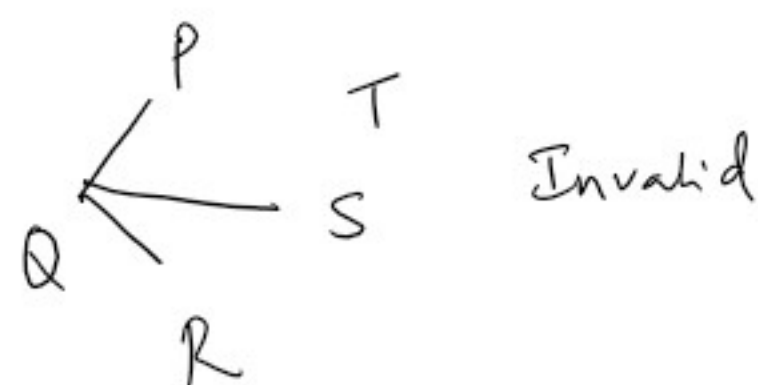


PQRST

PQ RST
~~PQ RTS~~
~~PQ SRT~~
~~QPRST~~
~~QPRTS~~
~~QPSRT~~

Same tour if started with PT

PQ, RQ, QS



PQ, RQ, PR

