

QUIZ 6

(1) **(5 points)** Compute the order and parity of the following elements of S_{100} .

- (a) $(135)(24)$ (b) $(125)(264)$ (c) $(12)(14)(45)$
(d) $(123)(234)(345)$ (e) $(12)(26)$ (f) (12)

(2) **(5 points)** Compute

- (a) $((135)(24))^{107}$ (b) $((125)(264))^{1001}$ (c) $((12)(14)(45))^{(-301)}$