Keview High lights

(o) = = = = qinv(o) = = = qinaj(o) La Now we can understand [n+1] = \sum\_{j=0}^{m} q^{m-j} [n-j] \* prove identity with q-binom coeff, show rep same thing or make bij etc. 3 Integer Partitions @ G.F. .TT - T. (1+zi), etc. . > Prove identities De prove identities bijectively direct construction Remmel's machine + like 1a on hw \* make sure you understand, nice sign rev.

(Feler's Pentagonal Number Theorem

T(1-zi) = \( \sum\_{\kappa \in \tau} \) (3K-1)/2 (proof & result) (1+x). TT (1-z')(1+xz')(1+x'z') = \( \times \times

Lasticing along staircase 6 Symmetric Functions. Newton's identities?

= P2; P22 Thm: \[ \[ \( \alpha \) \] \[ \alpha \] \[ \

Thm: n!en = 2 (-1) n-1(2) | (2) | 2 | P2