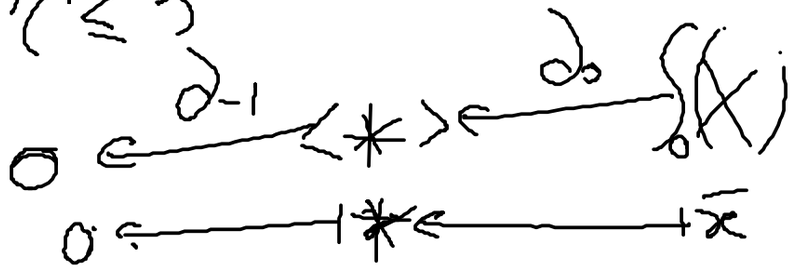
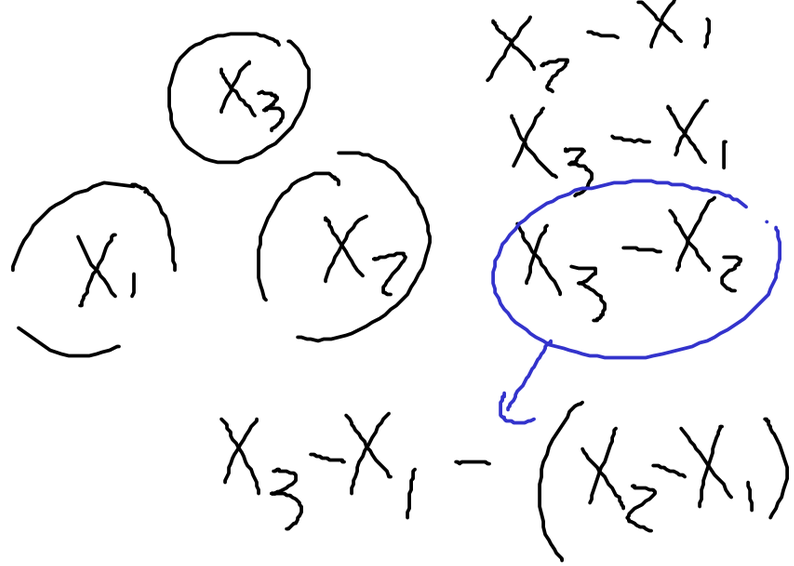
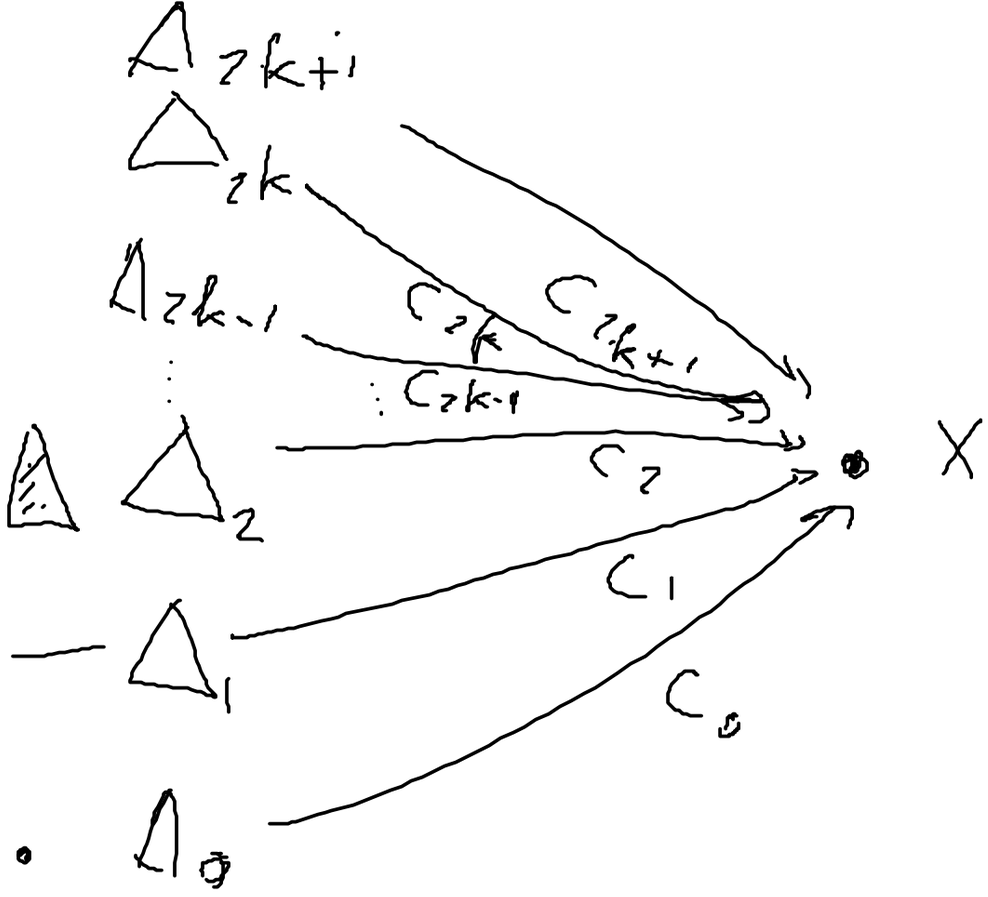
$r' = s$

$s' = r - 1$

$$\sum_{r' \le s'} (-1)^{r'+s'+1} F^{k-1}_{r'} F^{k-2}_{s'}$$







$$Z_{2k+1} = S_{2k+1} = B_{2k+1}\partial C_{2k+1} = C_{2k} - C_{2k} + \cdots - C_{2k+2} = 0$$

$$Z_{2k} = 0 = B_k \quad \partial C_{2k} = C_{2k-1} - C_{2k-1} + \cdots + C_{2k+1} = C_{2k-1}$$

$$Z_3 = S_3 = B_3 \partial C_3 = C_2 - C_1 + C_2 - C_2 = 0$$

$$Z_2 = 0 = B_2 \partial C_2 = C_1 - C_1 + C_1 = C_1$$

$$Z_1 = S_1 = B_1 \partial C_1 = C_0 - C_0 = 0$$