

HW3 Algorithm 尼 A-win 70=0 B-win 7=0 C-Win 1 init rand generator; for (i=0; i< (0,000; i++) { while (at-least-two alive) {

Lative B, alive C-alive = true;

while (fat-least-two alive) { A\_Shoots; it (Balive) B-Shoots; if (C-alive); C-Shoots; if (A-alive) Awin ++; if (B-alive) B\_win ++; if (c-alive) C-wintt; 5 /x end for \*/ print report

● How to implement at least two\_alive? bool at\_least\_two\_alive(A\_alive, B\_alive, C\_alive) if (Aalive VIX (! Ralive) VIX (! Calive). return false if ((!A-alive) & B\_alive & O (! Calive if ((! A-alive) && (!B-alive) && (t-alive); return false return false How about? (!A-alive) & & (!Balive) & & (!Calive) reture true; Betler Solution if ((A\_alive & G B\_alive) or (A-alive Ub C-alive) or (Balive 68 Calive))

else return false

A-Shoots (Balive Calive) { P4 it (Calive) { if (ShootPoint > 67) { /\*
quint (C killed);
Calive = false < 33 ×/ else if if (B-alive) [ if (shoot Print >67) } print B-alive y /xend if \*/ 3 (xend if 9 3 /xend else \*/