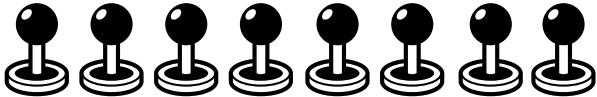all arms

maintain: for all i and t

$$\mathrm{rad}_t(i)$$

$$0 \qquad \bar{w}_t(i) \qquad 1$$