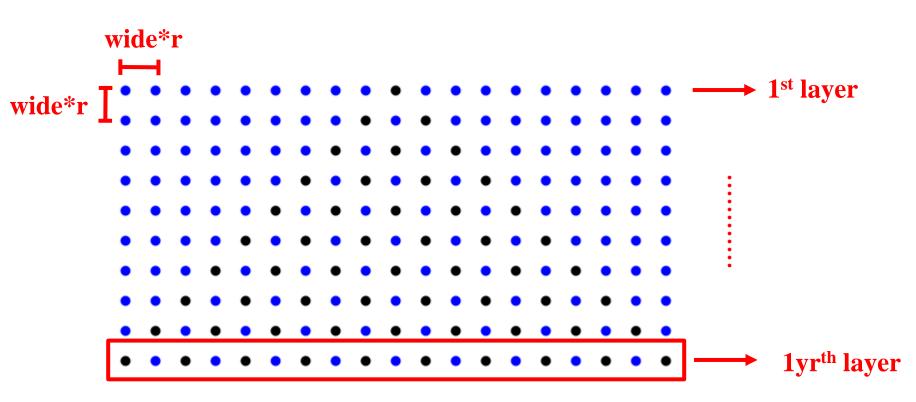
Bean Machine Distribution Simulation

Parameters for bean machine

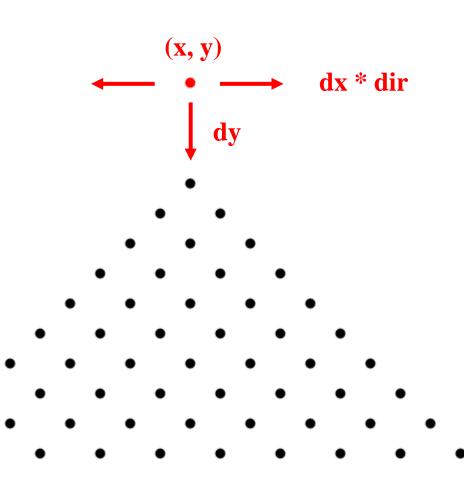
- □ pin layer: lyr
- □ max pin: w
- □ wide: wide
- multiplier: r



Marble structure

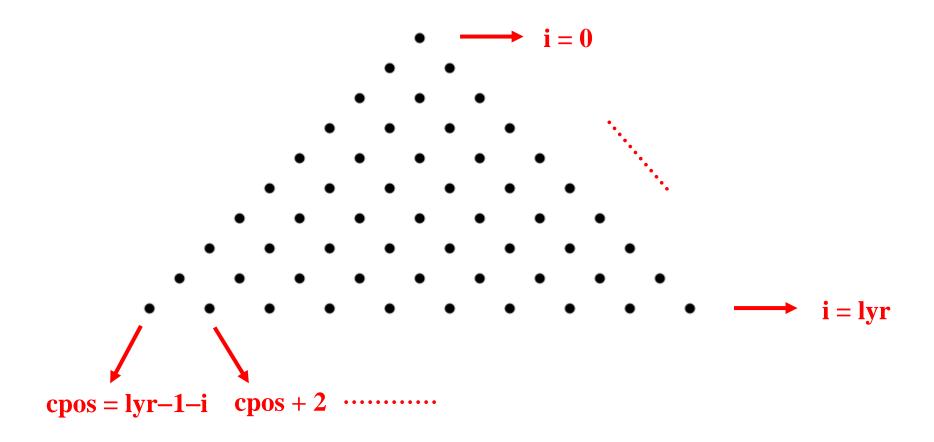
\square Marble(x, y, dir, dx, dy)

- x position of a marble: x
- y position of a marble: y
- horizontal speed: dx
- horizontal speed direction: dir
 - \blacksquare dir = 1 or -1
- vertical speed: dy



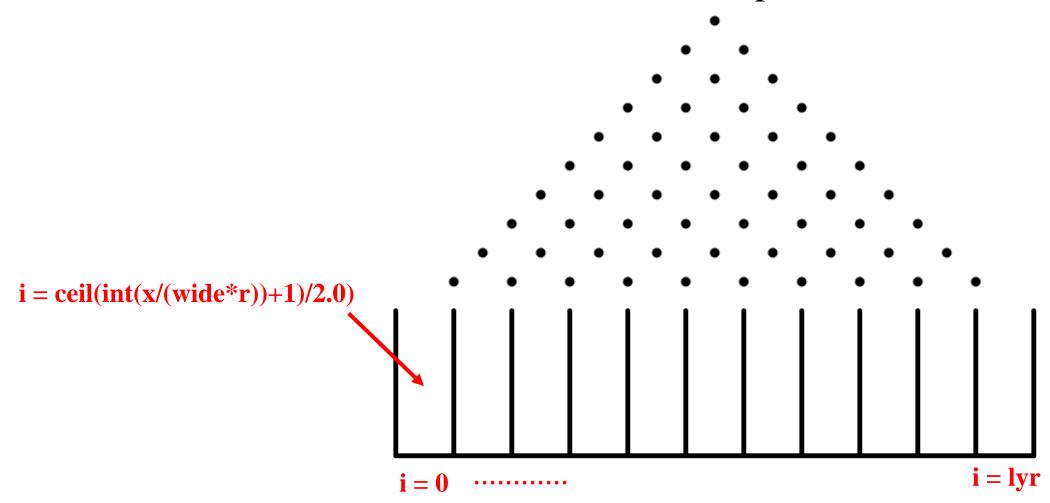
Bean machine setup

□ first pin at each layer: cpos



Distribution

count the number of marbles fell into the specific buckets



Parameters for distribution simulation

- □ falling velocity: speed
- □ number of marbles dropped at once: MaxNbMarble
- probability for falling to right: prob (obtain different distributions)