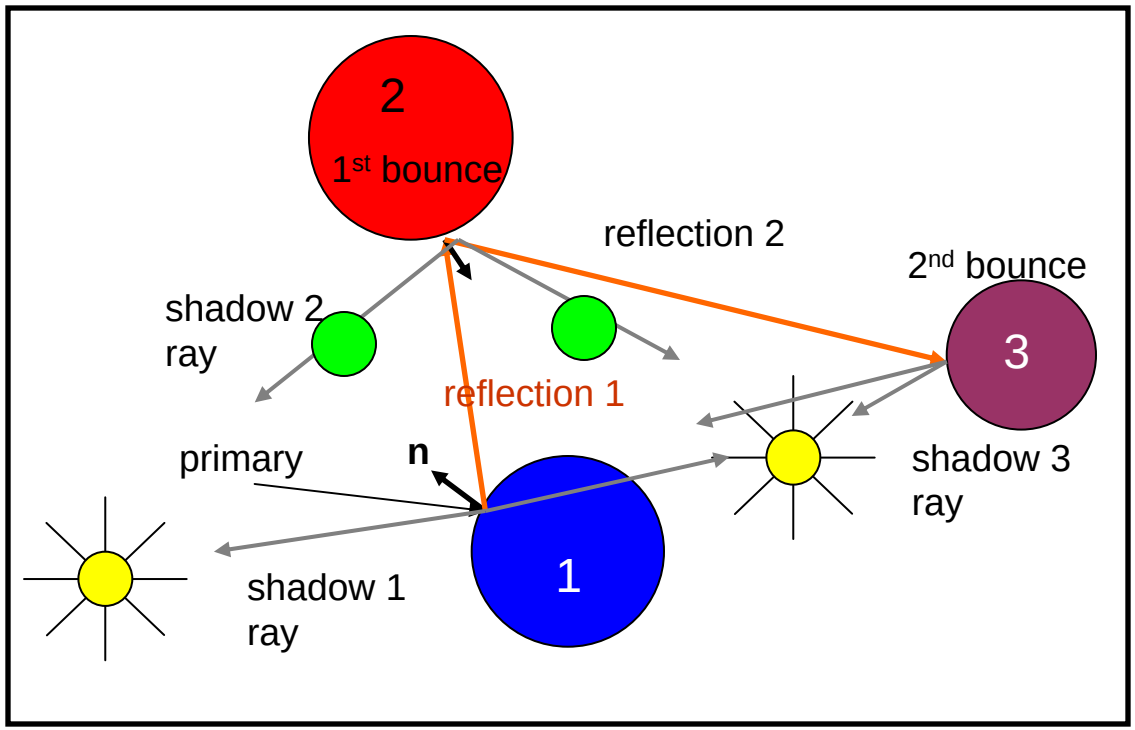


1000 spheres, 2 lights, 9 jittered,
chance of hit 0.05, reflective 0.1
primary rays p = 600 x 400 x 9

Actually it doesn't matter how
many spheres there are only
the chances of hitting one.

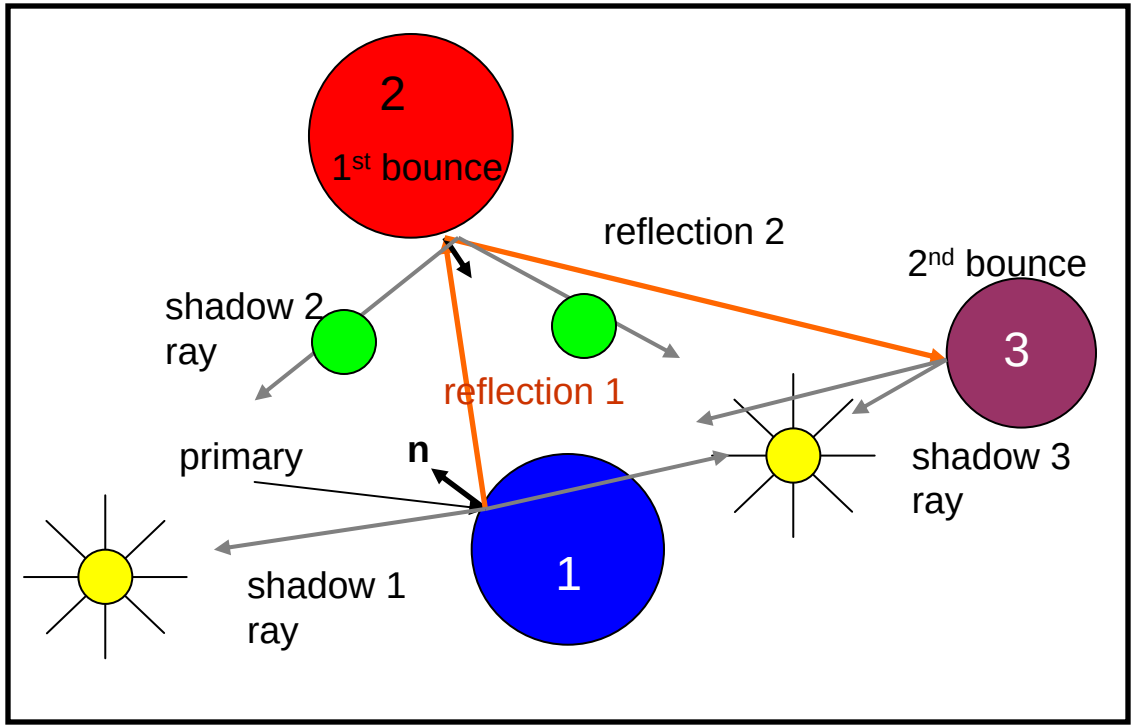
p = 2,160,000

secondary:
s0 = 2 x p x 0.05 = 216,000
r0 = p x 0.05 x 0.1 = 10,800

first bounce
s1 = 2 x r0 x 0.05 = 108
r1 = r0 x 0.05 x 0.1 = 54

second bounce
s2 = 2 x r1 x 0.05 = 5.4

total = p + s0 + r0 + s1 + r1 + s2
=2,160,000 + 216,000 + 10,800 + 108 + 54 + 5.4 = 2,386,970


2
1st bounce
reflection 2
2nd bounce
shadow 2
ray
3
reflection 1
primary
n
shadow 3
ray
1
shadow 1
ray