C cats & D dogs

(N) number of legs visible.

N%4 == 0

max no = (D+C) x 4

min no = if (C > 2xD) {
((C - 2xD) + D) x 4
(C - D) x 4
}
else {
D x 4
}

C (above) → C-2D cats
D Dogs cand

N >= min no && N <= max No && N%4 == 0

Min part

C cats D dogs

max no. of cat we can put over dogs
↳ min(C, 2xD)

Remaining cat ⇒ C - min(C, 2D)

min leg = (((C - min(C,2D) + D) x 4

And operator | OR | xor