

Figure 1: *Assigning jobs to unemployed bees. Scouts and foragers are possible.*

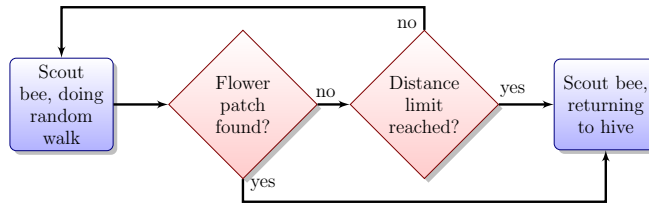


Figure 2: *Scouting behaviour until a flower patch is found or the maximum distance is reached.*

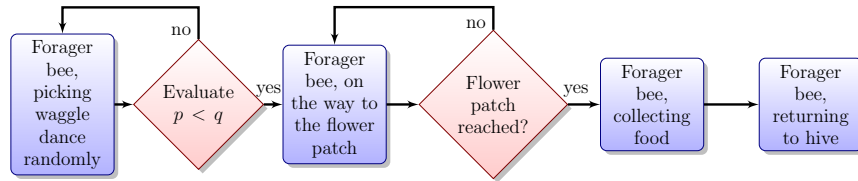


Figure 3: *Foraging behaviour.*

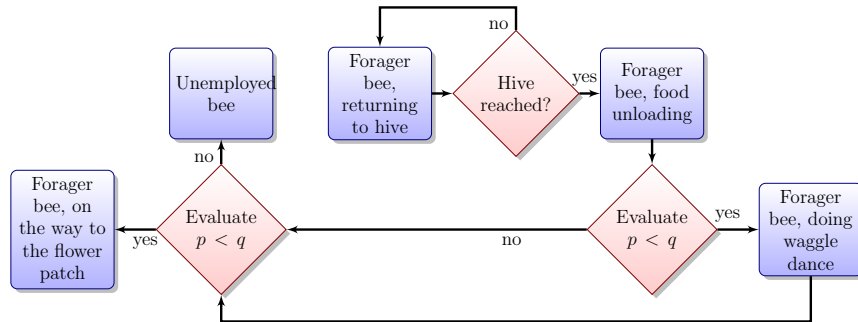


Figure 4: *Forager bee, returning from foraging.*

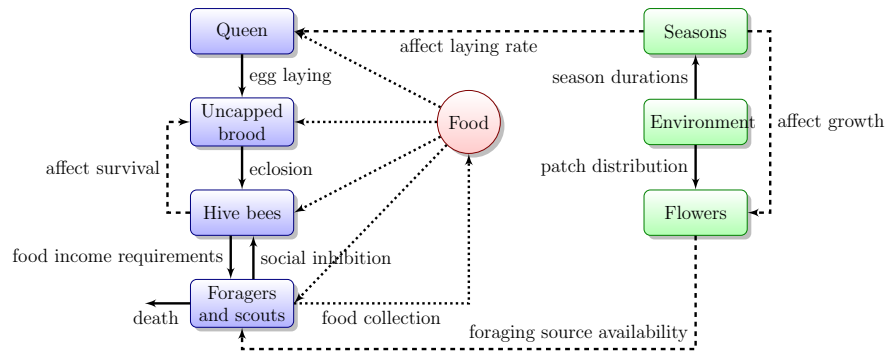


Figure 5: *Honey bee social dynamics and environmental influences covered by our advanced model.*