

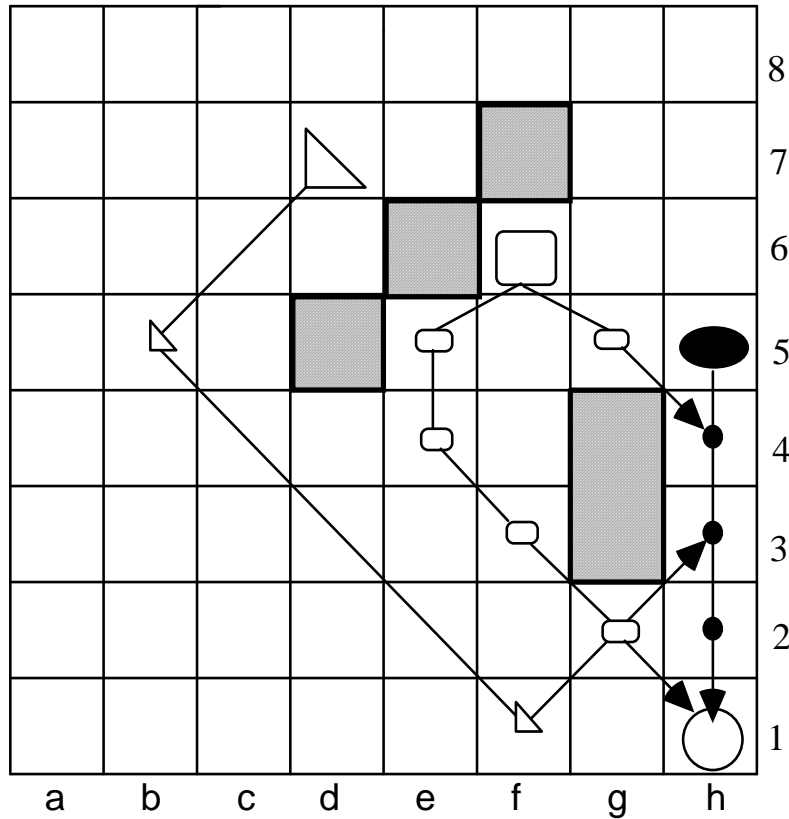
Lecture 10.

Please read previous handouts and the book on LG. You should have clear understanding of the Grammar of Zones. Try yourself to apply this grammar for generating more complex Zones.

$$t(\text{BOMBER}, t_B, 5) t(\text{FIGHTER}, t_F, 5) t(\text{MISSILE}, t_M, 5) t(\text{MISSILE}, t_M^1, 3) \\ t(\text{FIGHTER}, t_F^1, 2),$$

where

$$\begin{aligned} t_B &= a(h5)a(h4)a(h3)a(h2)a(h1), \\ t_F &= a(f6)a(e5)a(e4)a(f3)a(g2)a(h1), \\ t_M &= a(d7)a(b5)a(f1)a(g2)a(h1), \\ t_M^1 &= a(d7)a(b5)a(f1)a(h3), \\ t_F^1 &= a(f6)a(g5)a(h4) \end{aligned}$$



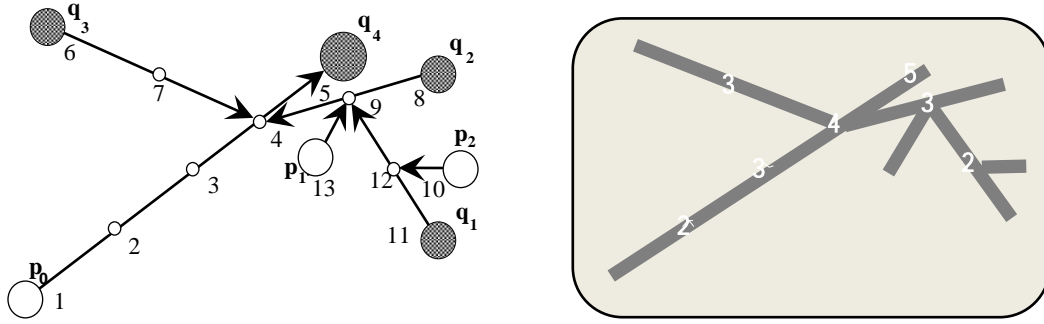


Figure 1 Construction stream sketching the time distribution for a zone generation grammar

Table 1 Construction stream sketching zone generation including the trajectories generation and the time distribution

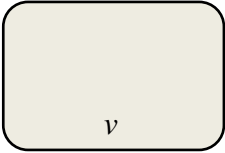
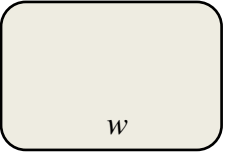


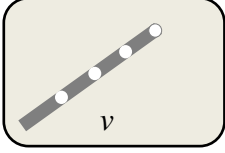
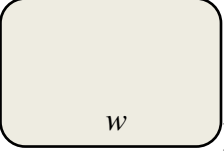
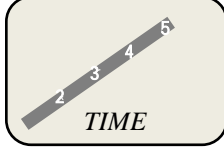

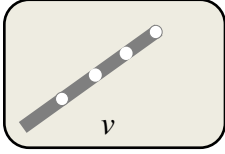
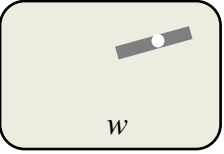
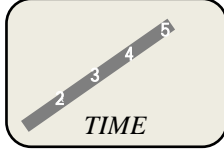
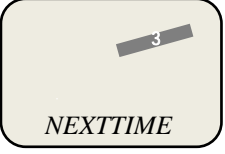
$S(u,$		$,$		$)$		
	$\rightarrow t(p_0, a(1)a(2)a(3)a(4)a(5), 5)$					
$A(u,$		$,$		$)$		
	$\rightarrow t(p_0, a(1)a(2)a(3)a(4)a(5), 5) t(q_2, a(8)a(9)a(4), 4)$					

Table 5 (continued)

$A(u,$		$,$		$)$		
	$\rightarrow t(p_0, a(1)a(2)a(3)a(4)a(5), 5) t(q_2, a(8)a(9)a(4), 4) t(q_3, a(6)a(7)a(4), 4)$					

