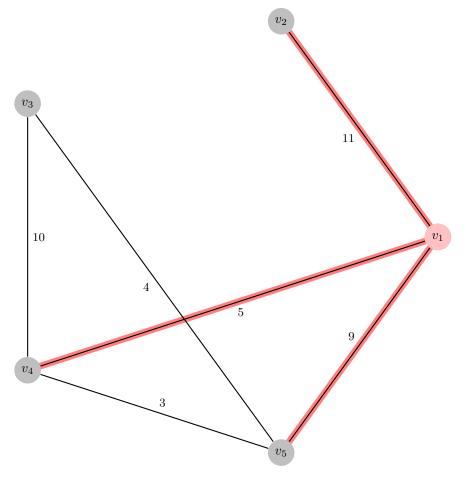
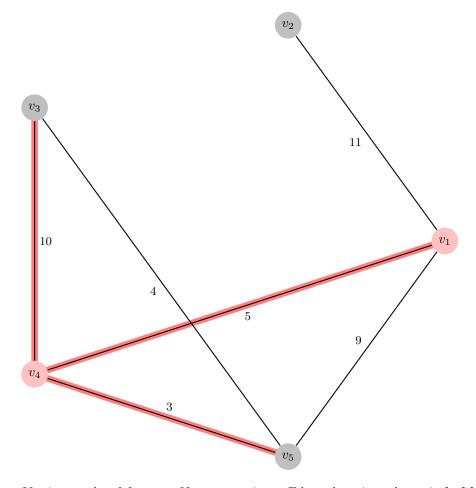
vertex	shortest path	length
v_2	$v_1 \rightarrow v_2$	11
v_3	null	∞
v_4	$v_1 \rightarrow v_4$	5
v_5	$v_1 \rightarrow v_5$	9



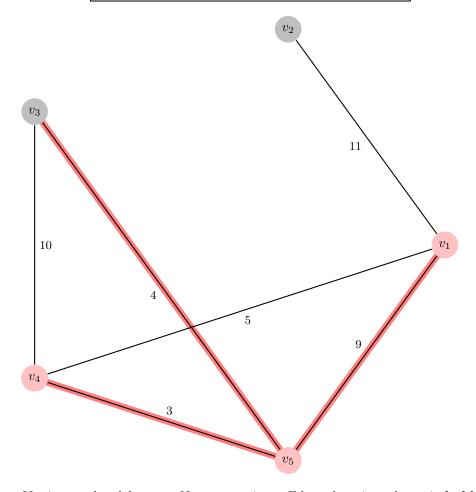
Vertices explored from v_1 . Next vertex is v_4 . Edge relaxations shown in **bold**.

vertex	shortest path	length
v_2	$v_1 \rightarrow v_2$	11
v_3	$v_1 \rightarrow v_4 \rightarrow v_3$	$15 = \min\{\infty, 5+10\}$
v_4	$v_1 \rightarrow v_4$	5
v_5	$v_1 \rightarrow v_4 \rightarrow v_5$	$8 = \min\{9, 5+3\}$



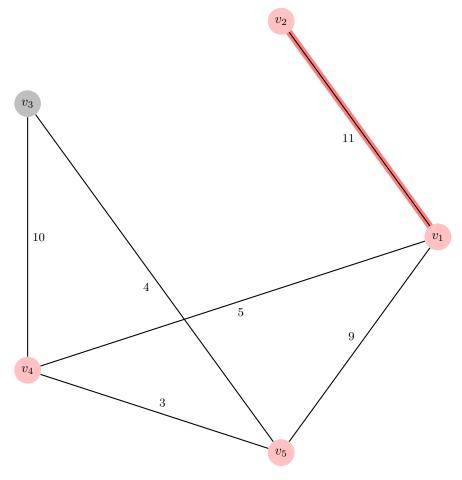
Vertices explored from v_4 . Next vertex is v_5 . Edge relaxations shown in **bold**.

vertex	shortest path	length
v_2	$v_1 \rightarrow v_2$	11
v_3	$v_1 \rightarrow v_4 \rightarrow v_5 \rightarrow v_3$	$12 = \min\{15, 8+4\}$
v_4	$v_1 \rightarrow v_4$	$5 = \min\{5, 8+3\}$
v_5	$v_1 \rightarrow v_4 \rightarrow v_5$	8



Vertices explored from v_5 . Next vertex is v_2 . Edge relaxations shown in **bold**.

vertex	shortest path	length
v_2	$v_1 \rightarrow v_2$	11
v_3	$v_1 \rightarrow v_4 \rightarrow v_5 \rightarrow v_3$	12
v_4	$v_1 \rightarrow v_4$	5
v_5	$v_1 \rightarrow v_4 \rightarrow v_5$	8



Vertices explored from v_2 . Next vertex is v_3 . Edge relaxations shown in **bold**.