```
A1Q5
A car is travelling at velocity v(t) = 30 \cdot t \cdot (4 - t) \text{ kmph.}
What is the maximum velocity on 0 \le t \le 4?
How far does the car travel on 0 \le t \le 4?

> restart:

> v := 30*t*(4-t);

v := 30 t (4 - t)

> w := 120 - 60 t

> solve(w=0,t);

2

(3)

> plot(v);
```

