

```

(A) at (0,0); (B) at (4,0); (C) at (6,2); (D) at (2,4); (E) at (0,4);
[thick, fill=gray!30] (A) -- (B) -- (C) -- (D) -- (E) -- cycle;
at ((A)! - 0.5cm, -0.5cm) (0,0); at ((B)! + 0.5cm, -0.5cm) (4,0); at ((C)! +
1cm, +1cm) (6,2); at ((D)! - 0.5cm, +1.5cm) (2,4); at ((E)! - 1cm, +1.5cm)
(0,4);
[dashed, thick, ->] (0,0) -- (4,0) node[midway,below]  $x_1$ ; [dashed, thick, ->]
(0,0) -- (0,4) node[midway,left]  $x_3$ ;
at (4.5,-0.5) [below] Maximal Support; at (-0.5,4.5) [left] Newton Polytope;

```