

1. The Milnor-Moore theorem:

Advertise Hillman's talk.

A graded connected co-commutative algebra is the universal enveloping algebra of its space of "primitives". If also commutative, it is the polynomial algebra on the set of its primitives.

Idea for a good deed: Prove this!

2.

m	0	1	2	3	4	5	6	7	8	9	10	11	12
$\dim \mathcal{A}_m^r$	1	0	1	1	3	4	9	14	27	44	80	132	232
$\dim \mathcal{A}_m$	1	1	2	3	6	10	19	33	60	104	184	316	548
$\dim \mathcal{P}_m$	0	1	1	1	2	3	5	8	12	18	27	39	55

3. \oplus , $\frac{d}{dt}$, Heisenberg, Taylor, HW1. Good deed: write it up real well!