

VE482 Homework 1

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Ex. 1 — Simple problem

The RAM needed to support a 25 lines by 80 rows character monochrome text screen is $25 \times 80 / 8 = 250$ B. It costs $250 \times 5 / 1024 = \$1.22$.

The RAM needed to support a 1024 x 768 pixel 24-bit color bitmap is $1024 \times 768 \times 24 / 8 = 2304$ KB. It costs $2304 \times 5 = \$11570$.

Now the cost if RAM is about \$10/GB.

Ex. 2 — Programming

Uploaded to Canvas.