```
(1) seeds 1, 2,3
       python3 relocation.py -5 l
Base: 13884, limit: 290
   VAO: 782 -> Segmentation Violation
   VAl: 261 -> Valid (13884+261=1945)
   VA2: 507 -> Seq. Violation
   VA3:460 -
    VA+: 667 ->
                       11
   Sed 2
        Base: 15529 (decimal)
        Limit: 500
    VAO: 57 -> Valid (15529+57)
    VA1: 86 -> Valid (15529+86)
     VAZ: 855 -> Seg. violation
     VA3: 753 -7
                      11
     VA4: 685 ->
    seed 3
     Base: 8916
```

```
VAO: 378 — Seg. violation
VAI: 618 — " " ".

VA2: 640 — " " " ".

VA3: 67 — Valid (8916+67)

VA4: 13 — Valid (8916+13)
```

2) -50-n10

no. of virtual addresses to generat

```
Virtual Address Trace
  VA 0: 0x00000308 (decimal:
                               776) --> PA or segmentation violation?
  VA 1: 0x000001ae (decimal:
                              430) --> PA or segmentation violation?
                               265) --> PA or segmentation violation?
    2: 0x00000109 (decimal:
                               523) --> PA or segmentation violation?
     3: 0x0000020b (decimal:
     4: 0x0000019e (decimal:
                              414) --> PA or segmentation violation?
  VA 5: 0x00000322 (decimal:
                               802) --> PA or segmentation violation?
                               310) --> PA or segmentation violation?
  VA 6: 0x00000136 (decimal:
                               488) --> PA or segmentation violation?
  VA
    7: 0x000001e8 (decimal:
  VA 8: 0x00000255 (decimal:
                               597) --> PA or segmentation violation?
                               929) --> PA or segmentation violation?
     9: 0x000003a1 (decimal:
```

Setting lithit to just greater than largest (929) = 930.

(5) -51 -n10 -L100	>
Max base can	be set to, such that
the address space	e fits into physical
memory	
Physical memory	be set to, such that c fits into physical 26 k = 16kb
	=16×1024
	- 16384

So maximum base 16387 - limit = 16287

Base-and-Bounds register information:

Base : 0x00003f9d (decimal 16285)

Limit : 100

Error: address space does not fit into physical memory with those base/bounds values. Base + Limit: 16385 Psize: 16384

With larger address spaces and physical memories.

-5 | -azk -p32k VAO: 1564 Seg. violation VAI: 522 Valid VA2: 1014 Seg. violation VA3: 920 " Above with -1 1600, makes 920 also valid

-50 -n10 -- a2k -p 32t Value of Limit, just greater than highest VA to make all valid.

(860)

-51-n0-a2k-p32k-l100

base = 32x 1624 - limit = 32668

S) Graph - Fraction of valid addresses vs limits from 0 to address space Size

ίK





