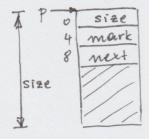


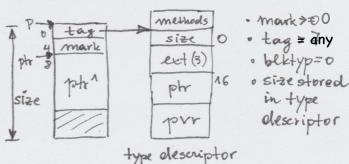
Elktyp := tag MOD 4

tag field		blktyp	heap blk type
>0 00	àn <del>y</del>	0	Record
>0 101	àny/	1	Array of record
0 110	2	2	Array of pointer
0 111	3	3	Array of basic type
0 1111	7	3	Array of procedure

## Free heap block (monk < 0) Text Record (blktyp=0, tag = any)



- · mark = -1
- · next points to next free heap block of this size (32,64,128, n \* 256)
- · free blocks are typed (i.e. have fields)



tag

mark

len

elemsize

size

offset

phro

phy

pheny

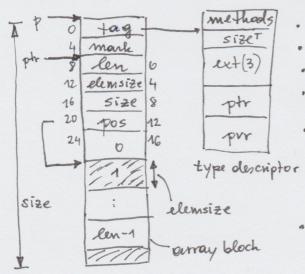
ptr

size

## Array of record (blktyp=1, tag = any)

Array of pointer (blktyp=2, tag=2)

8

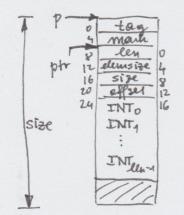


- · mark > 0
- · tag = any
- · len = # of
- array eleus
- in ownay block
- (size in type also rignored)
- · pos = cuneut element olurius mark

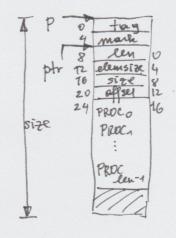
- · mark >€0
  - · tag = 2 · blktyp = 2
  - · len = # of pointers
  - · offset = current pointer during manh phase
  - · no type alescriptor

Array of basic type (blktyp=3, tag=3)

Array of procedure (blktyp=3, tag=7)



- · mark >= 0
- · tag = 3
- · bektyp=3
- · len = # of array elems
- · elemsize = 1,2 0r4
- o offset = -1
- · no type descriptor
- · = "sysblk" in Ceres-Oberon



- · manh >=0
- tag = 7 blktyp = 3
- · len=#of procedures
- · elemsize = 4
- · offsel = -1
- o Traversed during reference
- · No type descriptor