

Blktyp := tag MOD 4

tag field		blktyp	heap blk type
>0 00	any	0	Record
>0 101	any	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

(mark < 0) Free heap block

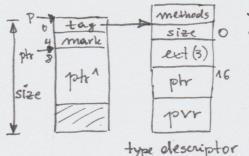
· mark = -1

Size 0 mark next

Size

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

Record (blktyp=0, tag = any)

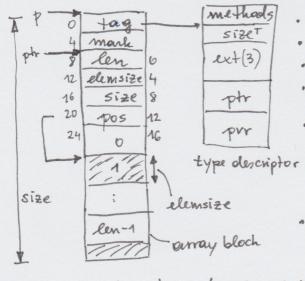


- · mourk >= 0
 - tag = any
 - blktyp=0 size stored
 - in type
 - descriptor

type descriptor

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

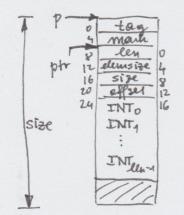
Array of pointer (blktyp=2, tag=2)



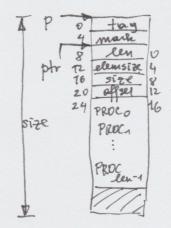
- · mark >= 0
- · tag = any
- · Yalktyp=1
- · len="# of
- array eleus . size stored
- in amony block (size in
- type alesc rander)
- 100s = curent element olunius mark phase
- tag mark len ptr elemsize size 8 offset phro size phy pheny
- · marh >= 0
- tag=2
- · blktyp=2
- · len = # of pointers
- · offset = current pointer during mach phase
- · no type descriptor
- elemsize = 4

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

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



- * mark >= 0
- tag = 3
- · bektyp=3
- · len = # of array eleus
- · elemsize = 1,2 or 4
- · offset = -1
- · no type elescriptor
- · = sysblk in Ceres-Oberon



- · manh >= 0
- tag = 7
- blktyp= 3
- · len = # of procedures
- · ellinsize = 4
- · offsel = -1
- · Traversed duning reflience checking
- · No type descriptor