Задача 2

uint8_t	1B	char
uint16_t	2B	short
uint32_t	4B	int, float
uint64_t	8B	long, double, pointer

a) struct stu_a {
int i;
char c;
};

sizeof (struct stu_a) = 8B
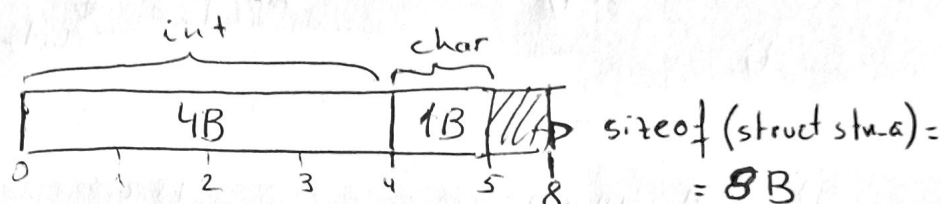
b) struct stu_b {
char* p;
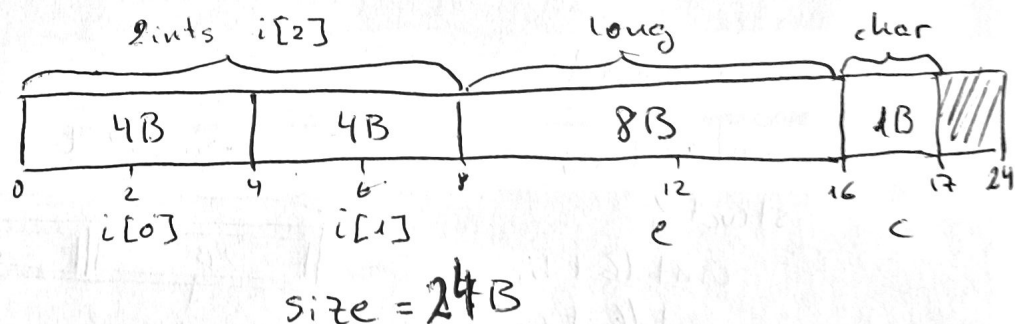char c;
};

size = 16B
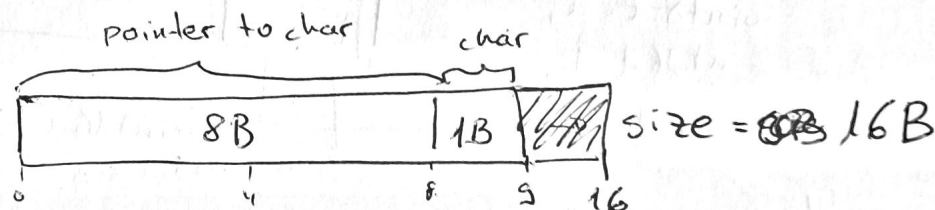
c) struct stu_c {
int i [2];
long l;
char c;
};

size = 24B

d) struct stu_d {
char c1;
int i [3];
char c2;
};

size = 20B

e) struct stu-e {
   char c;
   struct stu-d;
}

size = 24B
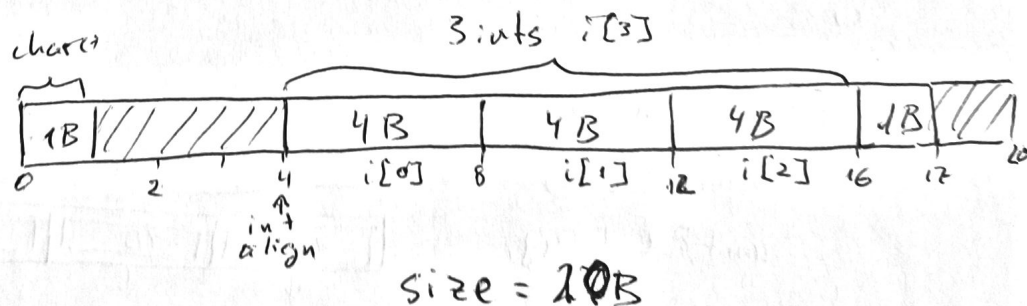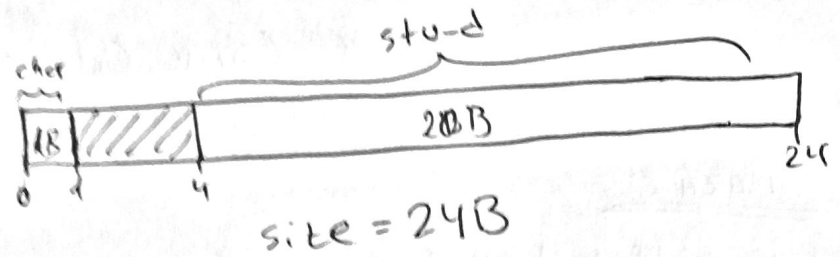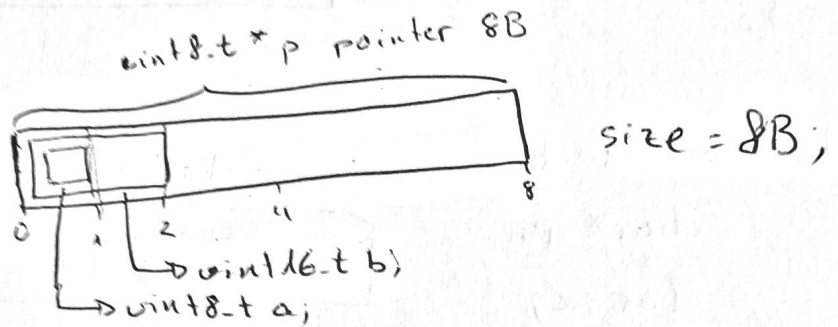
f) struct stuff {
   int a:2;
   int b:4;
}
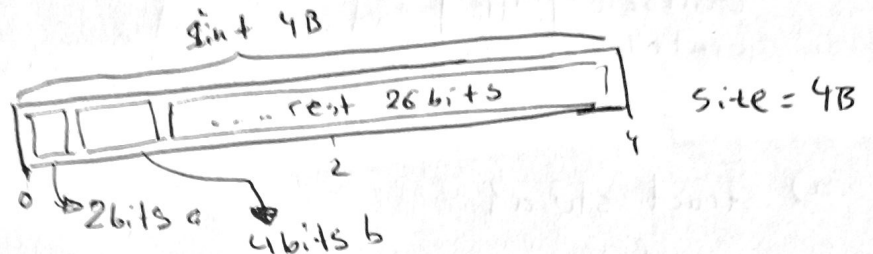
size = 4B

g) union un-g {
   uint8_t a;
   uint16_t b;
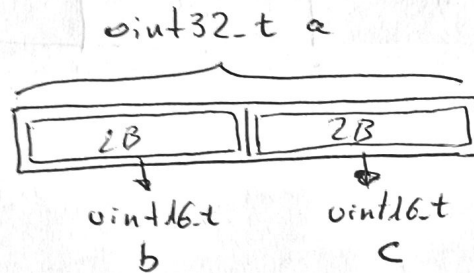   uint8_t * p;
}

size = 8B;

h) union un-h {
   uint32_t a;
   struct {
      uint16_t b;
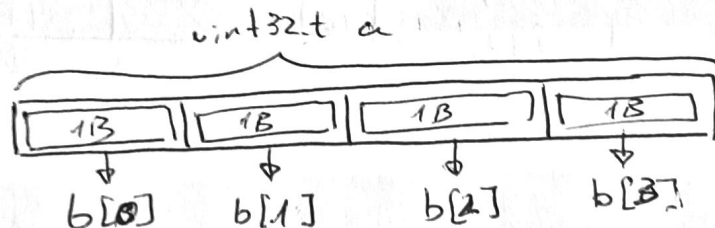   uint16_t c;
   };
}

→ size = sizeof(uint32_t) = 4B

i) union un-i {
   uint32_t a;
   uint8_t b[4];
}

size = 4B