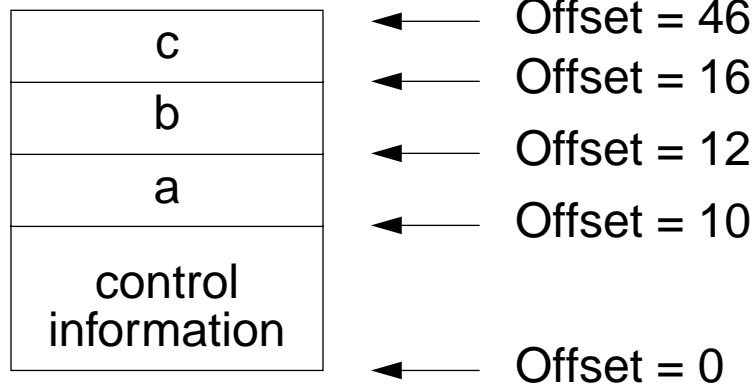


## An Activation Record for a Simple Procedure

---

```
procedure p(a : integer) is
  b: real;
  c : array (1..10) of real;
begin
  b := c(a) * 2.51;
end;
```

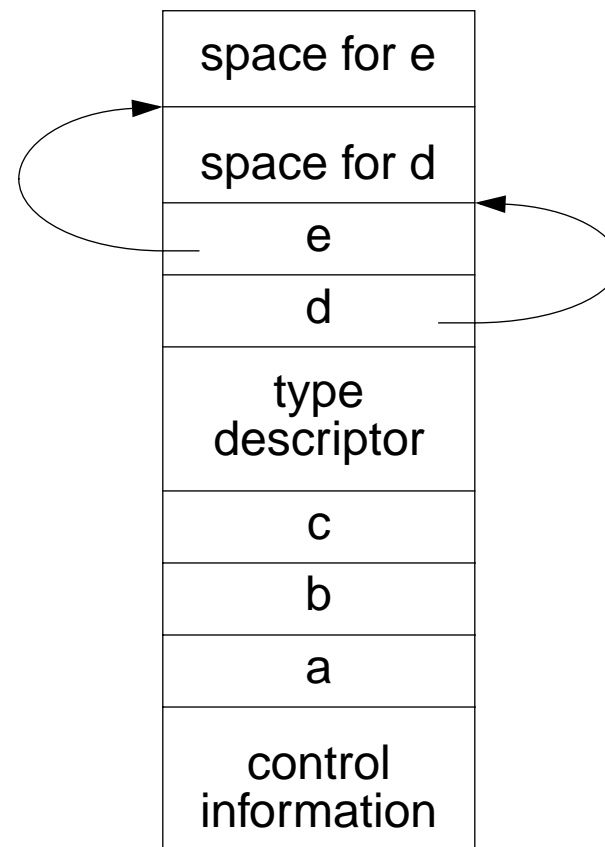
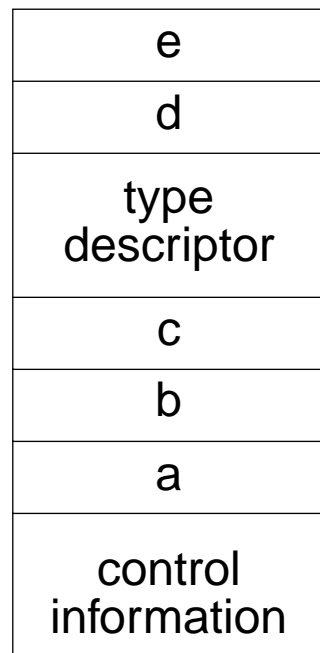


## Handling Dynamically-Sized Data

---

Consider adding the following declaration to procedure p:

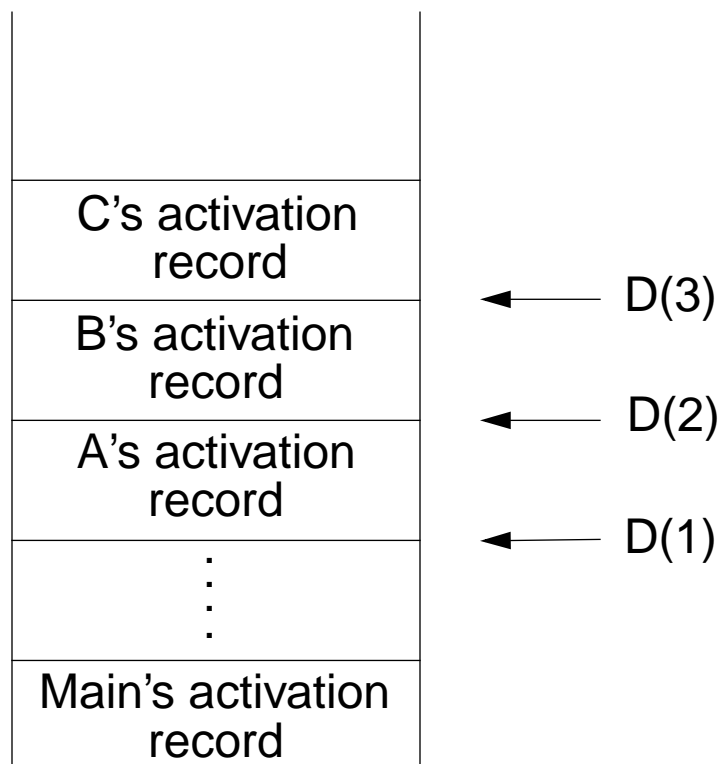
d, e : array (1..N) of integer;



# Activation Records on a Run-time Stack

---

```
procedure A is
  procedure B is
    procedure C is
      ...
      A;
      ...
    end C;
    ...
  C;
  ...
end B;
...
B;
...
end A;
```



## Saving and Restoring Display Pointers

---

Assume the following sequence of calls:

A B C A' B' C'

calls	A	B	C	A'	B'	C'
display(3)	??	??	C	C	C	C'
display (2)	?	B	B	B	B'	B'
display (1)	A	A	A	A'	A'	A
saved	-	?	??	A	B	C