b) Write the appropriate unoptimized SPARC assembly instructions using the above local variables.

d = 8675309;

b = 0xCAFE;

a = c;

f = e;

(OVER)
#2.
a) Write the appropriate `save` instruction to allocate stack space for the following local variable declaration.

```
char a[8];
```

```
save ________, __________________________, ________
```

(Use the formula, not an absolute value)

b) Write the appropriate instructions to perform the following assignment statements.

```
a[2] = a[4];
```

```
________________________
```

```
________________________
```

```
a[1] = a[3];
```

```
________________________
```

```
________________________
```

```
char *ptr; /* ptr mapped to %l1 */
```

```
ptr = &a[0];
```

```
ptr++; /* ptr mapped to %l1 */
```

```
char d = *ptr; /* d mapped to %l0; ptr to %l1 */
```

```
________________________
```

```
*ptr = d; /* d mapped to %l0; ptr to %l1 */
```

```
________________________
```