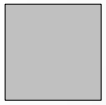
Array di Stringhe

Stringhe in C

```
char* stringa;

stringa = malloc((M+1) * sizeof(char));
if (stringa == NULL) return -1;
scanf(“%s”, stringa);
```

stringa 

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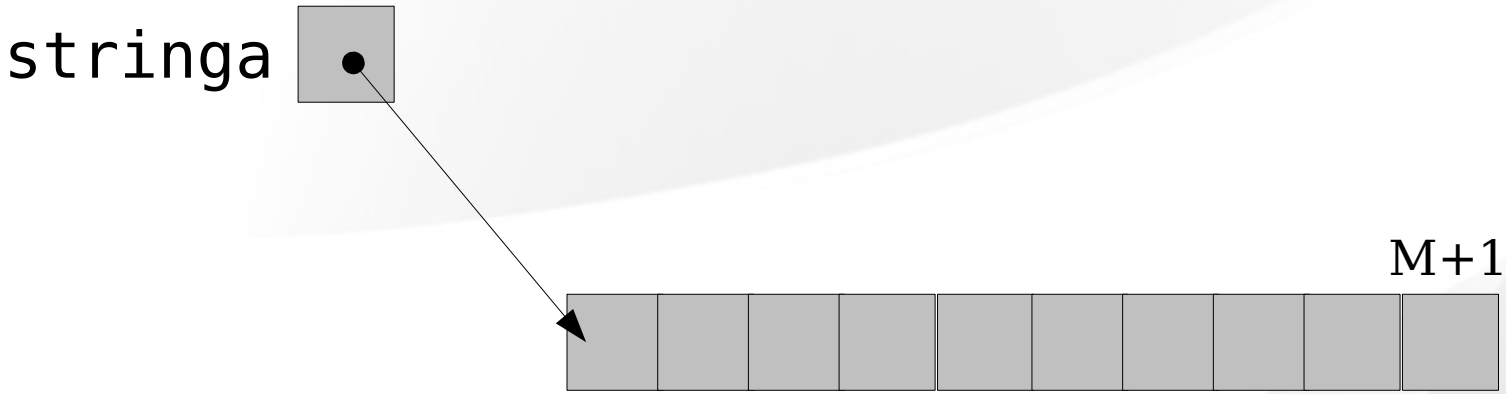

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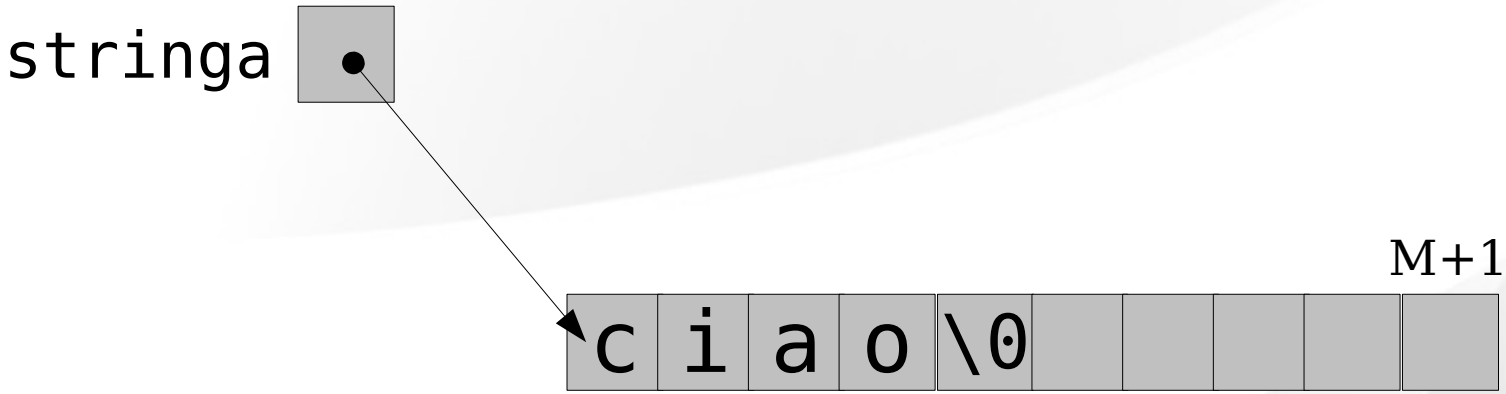
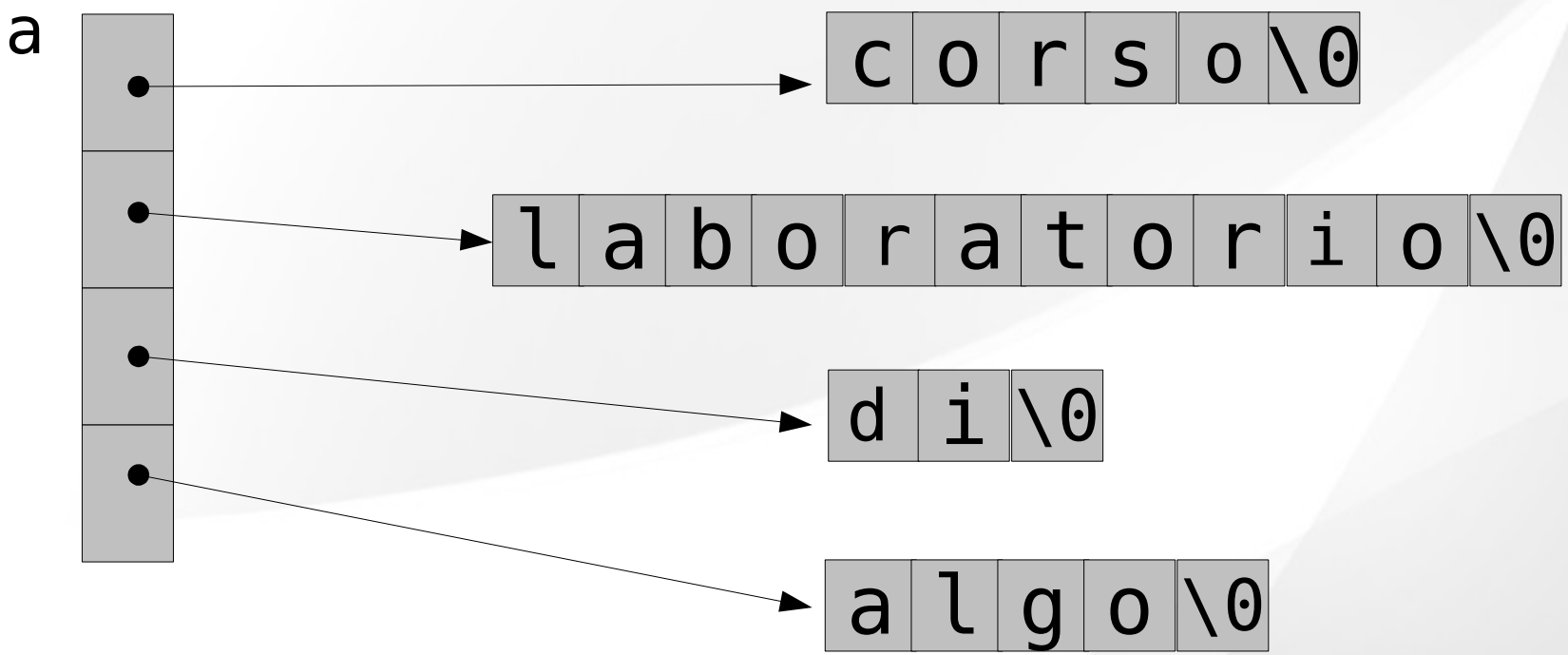


Array di Stringhe

```
char* a[]={"corso","laboratorio","di","algo"}
```



Array di Stringhe

```
char **a;

a = malloc(N*sizeof(char *));
if (a == NULL) return -1;

for(i=0; i < N; i++) {
   a[i] = malloc((M+1) * sizeof(char));
   if (a[i] == NULL) return -1;
   scanf(“%s”, a[i]);
}
```

Array di Stringhe

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if (a == NULL) return -1;

for(i=0; i < N; i++) {
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    if (a[i] == NULL) return -1;
    scanf(“%s”, a[i]);                    &a[i] ?    a+i?
}
```

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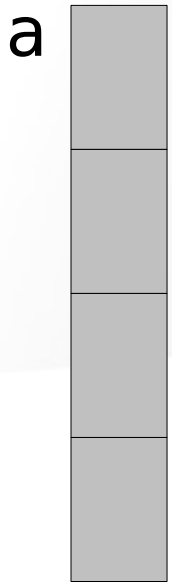

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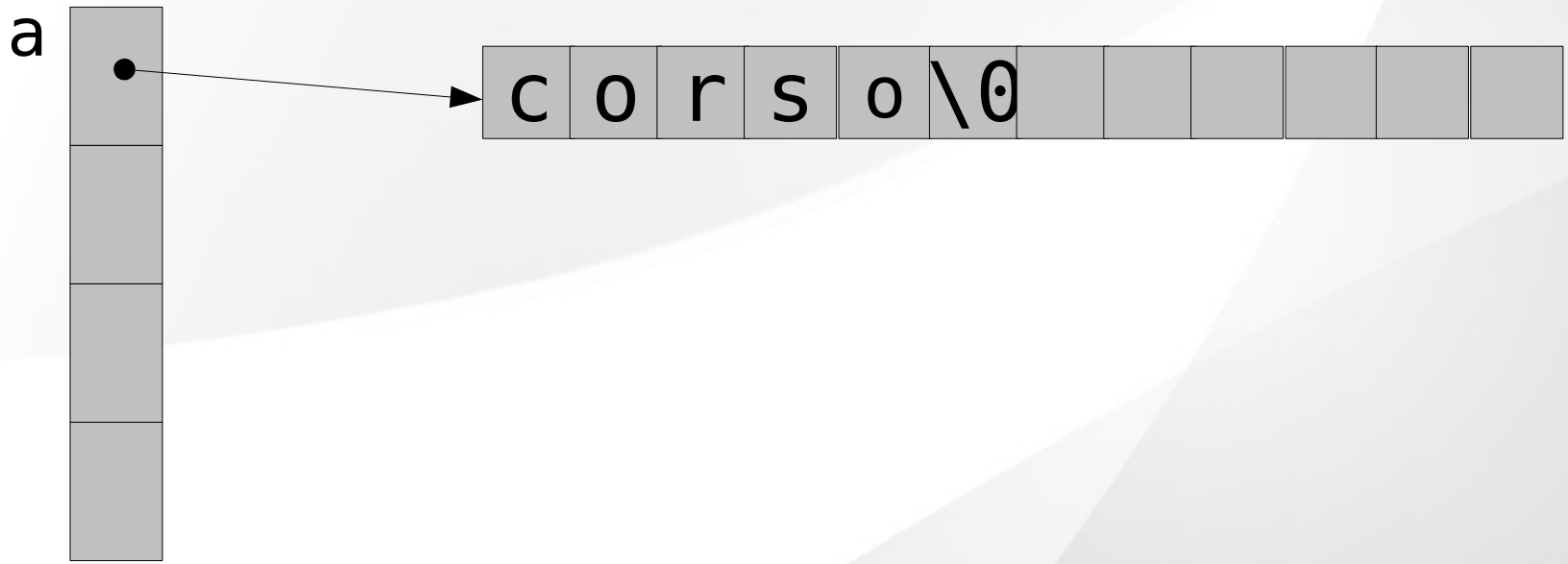

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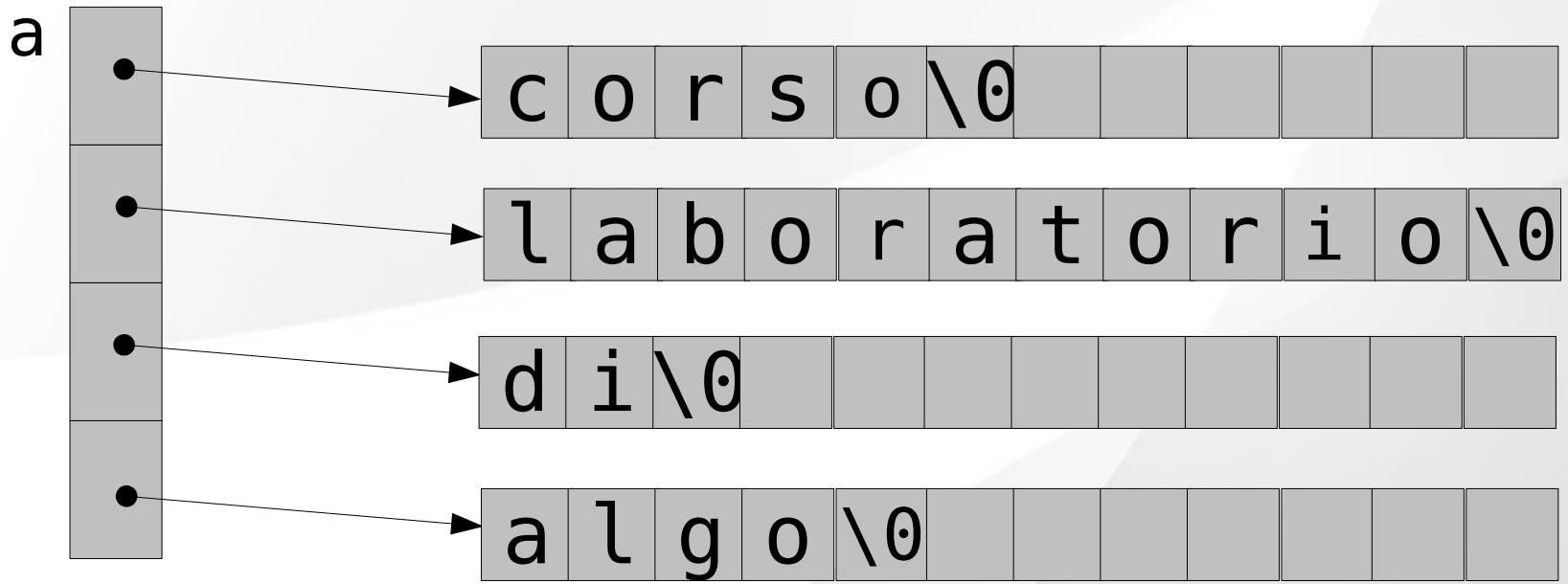

Liberare la memoria

Per rilasciare la memoria

```
for(i=0;i<N;i++){
   free(a[i]);
}
free(a);
```

Prima di chiamare la free sull'array chiamarla su ogni singola stringa