

Лекция 5

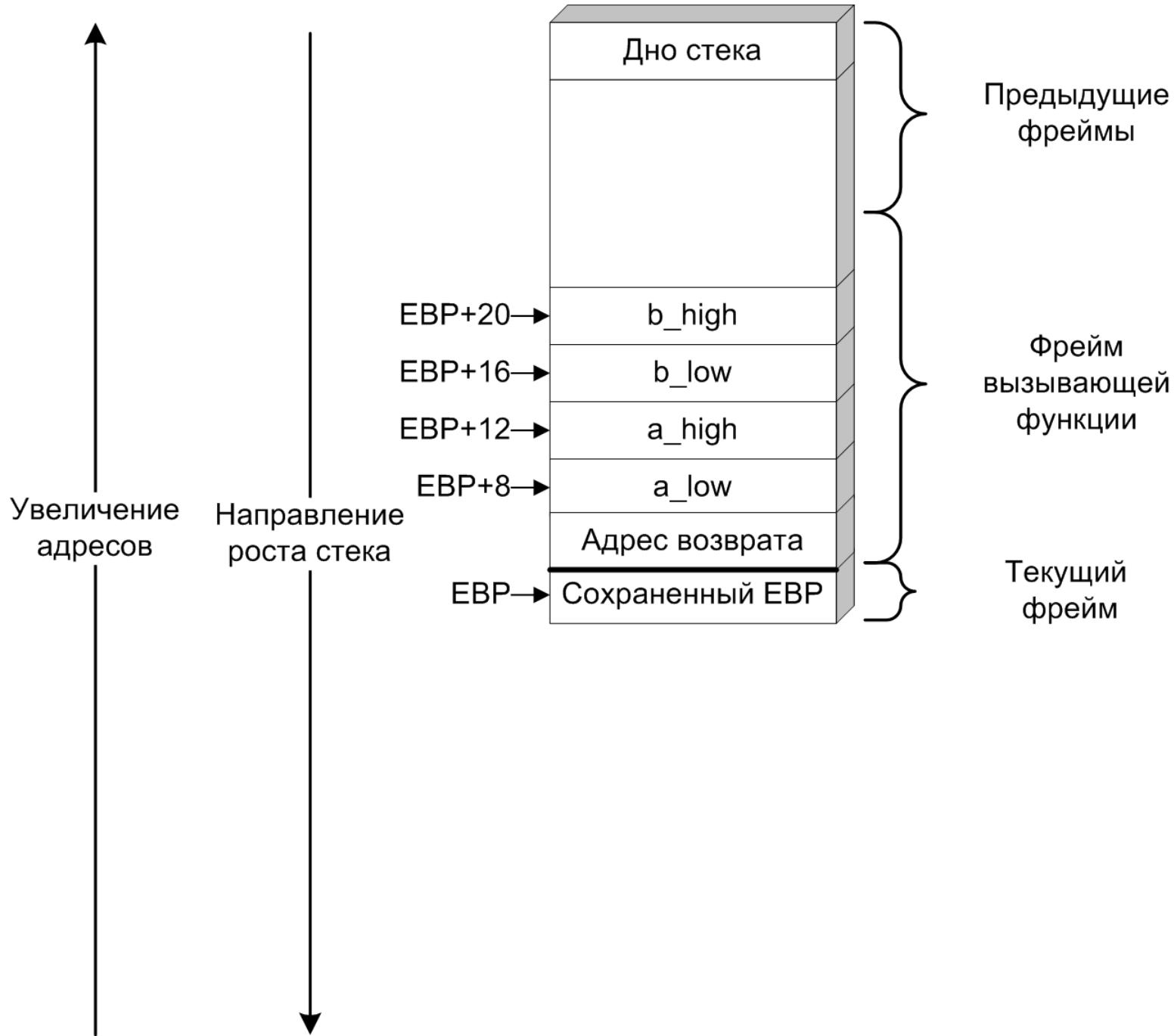
26 февраля

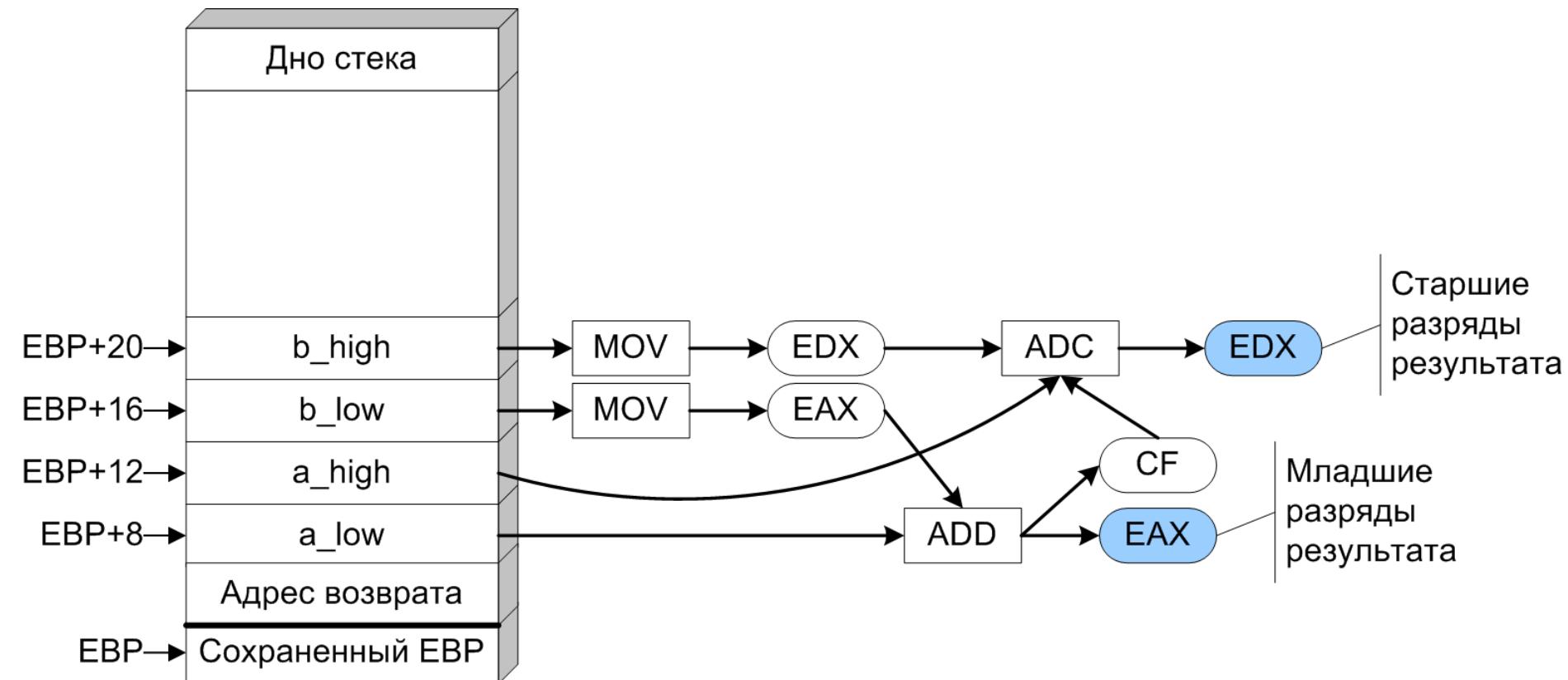
```
long long f1(long long a, long long b) {  
    long long c;  
    c = a + b;  
    return c;  
}
```

; начало функции пропущено

```
    mov     eax, DWORD [ebp+16] ; (1)  
    mov     edx, DWORD [ebp+20] ; (2)  
    add     eax, DWORD [ebp+8]  ; (3)  
    adc     edx, DWORD [ebp+12] ; (4)
```

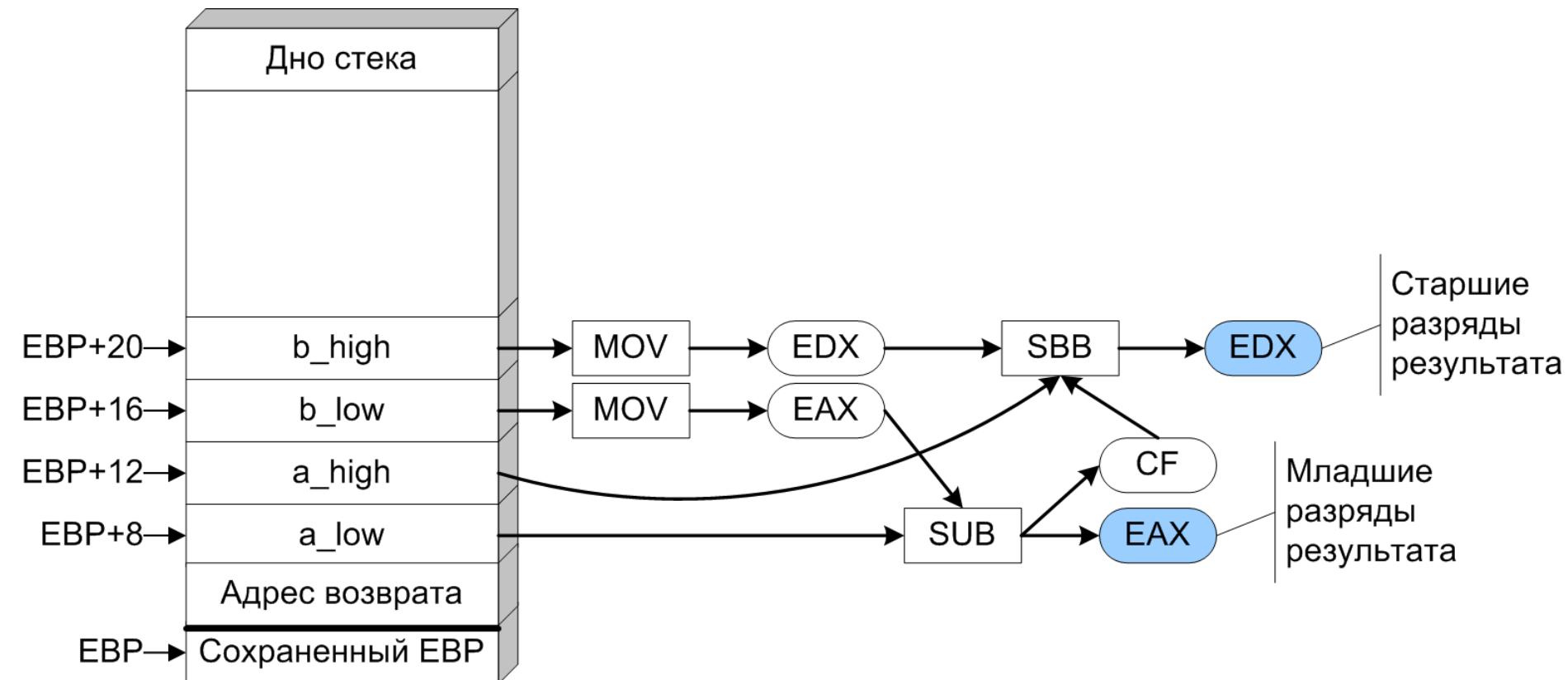
; конец функции пропущен





```
long long f3(long long a, long long b) {  
    long long c;  
    c = a - b;  
    return c;  
}
```

; начало функции пропущено
 mov eax, DWORD [ebp+8] ; (1)
 mov edx, DWORD [ebp+12] ; (2)
 sub eax, DWORD [ebp+16] ; (3)
 sbb edx, DWORD [ebp+20] ; (4)
; конец функции пропущен



```
long long f2(long long a,
              long long b) {
    long long c;
    c = a * b;
    return c;
}
```

```
global f2
f2:
    push    ebp
    mov     ebp, esp
    sub     esp, 8
    mov     DWORD [esp], ebx      ; (1)
    mov     ecx, DWORD [ebp+20]   ; (2)
    mov     ebx, DWORD [ebp+8]    ; (3)
    mov     DWORD [esp+4], esi    ; (4)
    mov     eax, DWORD [ebp+12]   ; (5)
    mov     esi, DWORD [ebp+16]   ; (6)
    imul   ecx, ebx             ; (7)
    imul   eax, esi             ; (8)
    add    ecx, eax             ; (9)
    mov    eax, esi              ; (10)
    mul    ebx                  ; (11)
    mov    ebx, DWORD [esp]       ; (12)
    lea    esi, [ecx+edx]         ; (13)
    mov    edx, esi              ; (14)
    mov    esi, DWORD [esp+4]     ; (15)
    mov    esp, ebp
    pop    ebp
    ret
```

