

annotation format

annotation of
a quantized variable
in a structure

annotation of
a quantized array

`mallocQuantize(n*sizeof(element), Metadata);`

```
//@quant<bit-width, step-size, mid>  
struct element{  
    @quant <3, 0.25, 1> float price  
    @quant <1, , > bool type  
    @quant <5, 0.5, 0> float yield  
};  
@quant element array1;  
array1 = (element*)  
malloc(n*sizeof(element));
```

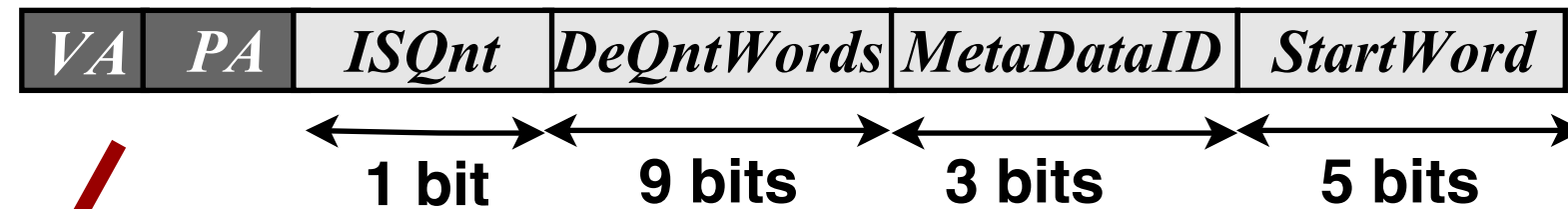
1st word

2nd word

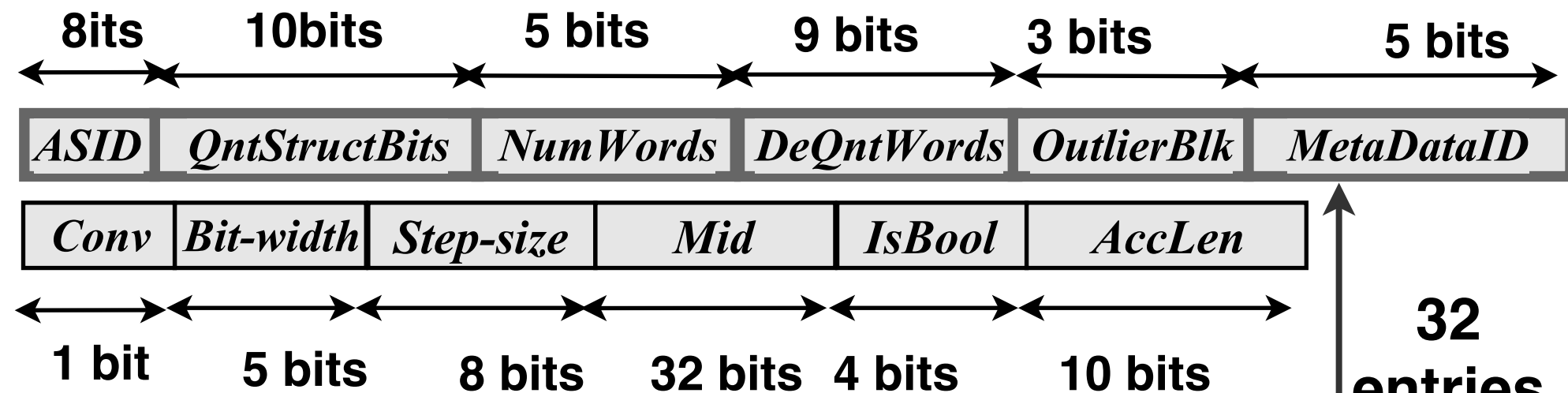
3rd word

(a)

Extended PTE



(b)



(c)