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0000000000000000  
0000110000000000  
0000000000000000  
00002c0000000000  
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00000a0000000000  
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0000080000000000  
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0000170000000000  
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00002c0000000000  
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0000170000000000  
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00000b0000000000  
0000000000000000  
00000c0000000000  
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0000160000000000  
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00002c0000000000  
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0000090000000000  
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00000f0000000000  
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0000040000000000  
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00000a0000000000  
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0200000000000000  
0200330000000000  
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0000000000000000  
0200000000000000  
0200270000000000  
0200000000000000  
0000000000000000  
00002c0000000000  
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0000180000000000  
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0200000000000000  
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0000050000000000  
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00001e0000000000  
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00001b0000000000  
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0000230000000000  
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0000080000000000  
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0000150000000000  
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0200000000000000  
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00000a0000000000  
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0000120000000000  
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0000070000000000  
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00002c0000000000
0000000000000000
00000f0000000000
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0000180000000000
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0000060000000000
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00000e0000000000
0000000000000000

...
"""

# Decode the HID data
decoded_output = []
for line in hid_data.splitlines():
    line = line.strip() # Remove extra whitespace
    if len(line) == 16: # Ensure the line has exactly 16 hex characters
        try:
            bytes_data = bytes.fromhex(line)
            modifier = bytes_data[0] # Modifier byte (Shift, Ctrl, etc.)
            keycode = bytes_data[2] # Keycode byte
            if keycode != 0:
                if modifier & 0x02: # Check if Shift is pressed
                    char = shifted_keycode_map.get(keycode, "")
                else:
                    char = keycode_map.get(keycode, "")
                decoded_output.append(char)
        except ValueError:
            continue

# Join the decoded characters into a string
decoded_text = "".join(decoded_output)
print("Decoded Text:")
print(decoded_text)

```

The code failed. So I just manually do it. KEKW

[https://usb.org/sites/default/files/hut1\\_5.pdf](https://usb.org/sites/default/files/hut1_5.pdf) at chapter 10

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