

Dreamhack- structure-based carving

문제

Description

[함께실습] [structure-based carving](#)에서 실습하는 문제입니다.

주어진 바이너리 파일에서 플래그를 찾아보세요!

힌트는 **압축 패스워드는 ZIP 구조 어딘가에 ...** 입니다.

풀이

1. 문제 파악

바이너리 파일 안 ZIP파일에 플래그 존재 → ZIP파일을 찾아야하므로 ZIP파일 시그니처 기반 분석을 진행

2. 문제 풀이

carving_target.bin																	Decoded text
Offset (h)	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
00000000	50	63	6D	48	01	00	00	00	00	00	00	00	D2	25	D2	D5	PcmH.....ò%òõ
00000010	FC	7F	20	12	0F	00	00	00	84	00	00	00	0B	00	00	00	ü.
00000020	54	00	00	00	00	00	00	00	00	00	00	00	01	00	00	00	T.....
00000030	80	00	00	00	00	00	00	00	00	00	00	00	03	00	00	00	€.....
00000040	FF	FF	FF	FF	FF	1B	35	28	25	D5	55	41	AC	B0	6E	7C	ÿÿÿÿ.5(%õUA¬`n|
00000050	64	C7	25	D8	08	00	00	00	08	00	00	00	0E	00	00	00	dÇ%ø.....
00000060	0B	00	00	00	05	00	00	00	0C	00	00	00	07	00	00	00	.....
00000070	0D	00	00	00	09	00	00	00	0A	00	00	00	06	00	00	00	.....
00000080	04	00	00	00	1C	00	00	01	E0	01	00	00	10	00	00	06	.....ä.....
00000090	FC	00	00	00	08	00	00	01	60	02	00	00	14	00	00	09	ü.....`.....
000000A0	0C	01	00	00	34	00	00	04	FC	01	00	00	1D	00	00	02	....4...ü.....
000000B0	30	01	00	00	05	00	00	02	30	02	00	00	0B	00	00	02	0.....0.....
000000C0	20	01	00	00	21	00	00	02	50	01	00	00	10	00	00	02	...!...P.....
000000D0	74	01	00	00	15	00	00	02	38	02	00	00	04	00	00	02	t.....8.....
000000E0	2C	01	00	00	07	00	00	02	68	02	00	00	0E	00	00	02	,.....h.....
000000F0	50	02	00	00	5C	00	00	02	84	01	00	00	01	01	00	00	P...\.
00000100	7C	9E	08	4E	01	00	00	00	00	00	00	00	00	02	00	00	|ž.N.....
00000110	00	00	00	00	01	00	00	00	01	00	00	00	02	00	00	00	.....
00000120	34	2E	30	2E	31	35	39	31	32	2E	30	00	4E	61	6D	65	4.0.15912.0.Name
00000130	53	79	73	74	65	6D	2E	49	4F	2E	43	6F	6D	70	72	65	System.IO.Compre
00000140	73	73	69	6F	6E	2E	5A	69	70	46	69	6C	65	00	00	00	ssion.ZipFile...
00000150	53	79	73	74	65	6D	2E	49	4F	2E	43	6F	6D	70	72	65	System.IO.Compre
00000160	73	73	69	6F	6E	2E	5A	69	70	46	69	6C	65	2E	64	6C	ssion.ZipFile.dl
00000170	6C	00	00	00	62	37	37	61	35	63	35	36	31	39	33	34	1...b77a5c561934
00000180	65	30	38	39	4D	69	63	72	6F	73	6F	66	74	2E	4E	45	e089Microsoft.NE
00000190	54	5C	41	73	73	65	6D	62	6C	79	5C	47	41	43	5F	4D	T\Assembly\GAC_M
000001A0	53	49	4C	5C	53	79	73	74	65	6D	2E	49	4F	2E	43	6F	SIL\System.IO.Co
000001B0	6D	70	72	65	73	73	69	6F	6E	2E	5A	69	70	46	69	6C	mpression.ZipFil
000001C0	65	5C	76	34	2E	30	5F	34	2E	30	2E	30	2E	30	5F	5F	e\v4.0_4.0.0.0_
000001D0	62	37	37	61	35	63	35	36	31	39	33	34	65	30	38	39	b77a5c561934e089
000001E0	04	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000001F0	FF	FF	FF	FF	FF	FF	FF	FF	FF	00	00	00	04	00	00	00	ÿÿÿÿÿÿÿÿ.....
00000200	FF	FF	FF	FF	03	00	00	00	04	00	00	00	FF	FF	FF	FF	ÿÿÿÿ.....ÿÿÿÿ
00000210	05	00	00	00	06	00	00	00	FF	FF	FF	FF	07	00	00	00	.....ÿÿÿÿ....
00000220	08	00	00	00	FF	FF	FF	FF	09	00	00	00	0A	00	00	00	....ÿÿÿÿ.....
00000230	61	6D	64	36	34	00	00	00	50	72	6F	63	65	73	73	6F	amd64...Processo
00000240	72	41	72	63	68	69	74	65	63	74	75	72	65	00	00	00	rArchitecture...

바이너리 파일



ASCII File Description ▾

zip

Show Paginated

ASCII File Description	Header (HEX)	File Extension	File Class	Header Offset	Trailer (He
GZIP archive file	1F 8B 08	GZ	Compressed archive	0	(null)
7-Zip compressed file	37 7A BC AF 27 1C	7Z	Compressed archive	0	(null)
bzip2 compressed archive	42 5A 68	BZ2|TAR|BZ2|TBZ2|TB2	Compressed archive	0	(null)
PKZIP archive_1	50 4B 03 04	ZIP	Compressed archive	0	50 4B ????
ZLock Pro encrypted ZIP	50 4B 03 04 14 00 01 00	ZIP	Compressed archive	0	(null)
PKZIP archive_2	50 4B 05 06	ZIP	Compressed archive	0	(null)
PKZIP archive_3	50 4B 07 08	ZIP	Compressed archive	0	(null)
WinZip compressed archive	57 69 6E 5A 69 70	ZIP	Compressed archive	29152	(null)

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ZIP파일 HxD값을 검색하여 분석하였다.

carving_target.bin

Offset (h)	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	Decoded text
00AB5650	DE	05	92	B2	64	BC	96	8F	AF	D0	57	3C	9D	50	C9	5B	B.'*d4-.TW<.PÉ[
00AB5660	FC	39	D1	1B	AF	83	00	B2	DB	13	A9	36	4B	E2	55	04	u9N.~f.*Ü.ø6KaU.
00AB5670	BC	3D	B3	89	58	34	AF	F3	7A	08	06	3E	2F	D1	4E	E4	4="X4"ôz.../NNâ
00AB5680	70	FE	8E	AD	DB	F3	A1	C7	D5	73	DB	DB	93	8A	BB	65	pbZ.Üó;ÇÖsÜÜ"Š»e
00AB5690	F3	DF	14	D5	EF	0B	02	95	BD	F5	44	97	48	40	67	6F	ôâ.Öi..*4SD-Høgo
00AB56A0	73	48	70	66	91	4E	35	A8	3D	5D	A5	82	47	26	76	25	sHpF'N5"=]Y,Gsv&
00AB56B0	FD	C8	DE	26	99	92	E2	BE	36	78	5A	62	3B	2C	FA		ýÊP&""â4ex[Wb; ,ü
00AB56C0	33	7B	EB	1C	AA	C3	DE	1B	20	70	24	D6	7A	FE	58	0B	3(ë.*ÂP. p\$ÖzpX.
00AB56D0	BC	36	E1	47	F6	96	C7	A5	52	F5	D2	D0	11	85	6E	85	4eâGö-ÇYRöÖD...n...
00AB56E0	93	DE	5B	CE	F6	5D	9D	31	FA	9E	E2	1B	9D	FF	94	A1	"B[Ïö].úžâ..ý";
00AB56F0	CF	7A	0A	AA	14	7A	AE	12	2C	49	DB	3E	1C	E8	44	EB	İz.*.zø.,IÜ>.èDë
00AB5700	F3	EE	6F	AC	B8	D0	38	DE	27	79	49	B4	57	59	A5	1B	ôio-,DöP'yI'WYŸ.
00AB5710	FD	4E	6F	94	67	A4	FC	F5	4E	47	A2	0F	81	1B	68	B8	ýNo"ghüöNGe...h,
00AB5720	FE	38	D6	24	88	F7	42	CC	F5	39	F1	46	72	FF	9E	2F	p8Ö\$"-Biö9nFrýž/
00AB5730	69	83	3C	A4	57	3F	A4	25	3D	33	BD	65	08	2A	B3	59	if<Hw?H%=34e.*Y
00AB5740	8B	56	6B	B0	99	4D	84	63	28	82	3B	AB	F4	9C	E0	D6	·Vk"°M,c(,;«öæâÖ
00AB5750	86	C0	73	5B	E9	07	86	7B	8E	BD	31	9B	88	53	FD	DF	tÂs[é.†(ž41>~Syâ
00AB5760	07	98	6D	C9	1C	D5	C9	96	7B	1E	DE	DA	1D	1C	7B	2B	."mÉ.ÖE-{-BÜ..†+
00AB5770	52	08	1F	9B	08	75	85	93	84	1F	78	35	86	6E	06	A6	R.◀◀u...".x5tn.‡
00AB5780	70	08	BB	84	96	AA	9E	DF	50	73	90	CB	BA	8E	FB	AB	p.»..-žöPs.É°žû«
00AB5790	0B	60	84	64	E5	B1	EE	3A	FD	2D	2D	38	44	6E	DC	AF	.'«dâ±i:y--8DnÜ
00AB57A0	55	EA	45	26	F8	E3	3E	ED	51	4E	B0	E2	91	50	AE	F2	UëE&æâ>iQN°â`Pøö
00AB57B0	A1	D0	5F	62	90	CB	E8	EC	4C	06	73	6B	1F	E9	01	01	‡D_b.Éëil.sk.é..
00AB57C0	BD	50	1E	52	69	BC	4F	C9	8E	B9	B5	A9	B5	E8	65	03	4P.Ri4öEž'µøüëe.
00AB57D0	65	D2	7D	16	CB	D2	CE	BD	BB	6E	41	00	86	1B	EC	62	eö).ÉÖf°nA.†.ib
00AB57E0	E7	5F	B9	C1	B2	94	88	52	88	D6	70	83	15	1E	32	C8	ç.'â°"°R'öp f..2E
00AB57F0	98	DB	C3	8B	F4	1B	6E	A8	1B	E7	DB	17	0C	2A	D9	B1	"Üâ<ö.n".çÜ..*Ü±
00AB5800	89	F1	22	C2	0F	47	9A	97	C2	F9	55	E9	B2	87	DA	84	4n"Â.Gö-ÄüÜé°+Ü„
00AB5810	0F	D2	DE	42	BB	21	1B	E9	FD	AF	7E	CB	E3	C7	D7	4E	.ÖPB»!.éý~Eâç°N
00AB5820	27	5F	8D	83	44	A3	AA	8F	73	F7	13	CC	33	F5	32	4A	'..fDâ°.s°.İ3ö2J
00AB5830	4C	CA	15	06	AE	D2	C5	1E	92	94	BB	51	9D	CF	F9	92	LË..öÖÂ.'°"°Q.İü'
00AB5840	EE	CA	16	E3	C6	13	0C	41	68	73	06	0C	55	91	6B	98	iË.âE..Ahs..U'k~
00AB5850	08	DC	E7	D1	37	F8	3A	26	82	DF	93	B6	C3	04	1A	43	·ÜçN7ø:â,B"qÂ..C
00AB5860	8A	03	55	5A	37	E6	EA	F5	F7	FC	90	14	2B	66	74	91	Š.UZ7æëö-ü..+ft\
00AB5870	54	0D	87	C8	EB	D5	C4	D5	BA	7E	17	65	6C	74	76	4E	T.+ÊëÖÂÖ°~.eltvN
00AB5880	52	48	0E	69	B5	FD	DE	D9	69	9B	EB	7F	F6	E0	4C	2B	RH.ipyßÜi>e.öâL+
00AB5890	6D	2B	BF	96	50	52	B5	23	B2	D6	8B	97	2A	0C	32	AE	m+ç-PRu#°Ö<-*.2ø

체크섬 검색 (1개의 검색 결과)

오프셋

AB5772

잘라내기 (16진수)

6D C9 1C D5 C9 96 7B 1E DE DA 1D 1C 7B 2B 52 08 1F 8B 08 75 85 93 84 1F 78 35 86 6E 06...

잘라내기 (텍스트)

mÉ.ÖE-{-BÜ..†+R.â.u..."x5'

GZIP archive file : 1F 8B 08

carving_target.bin

Offset(h)	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	Decoded text
019ACB40	3F	63	37	41	4A	5C	40	D9	CE	58	7F	73	8B	E2	3E	13	?c7AJ\@U!X.s<â>.
019ACB50	7E	A7	E6	13	47	16	A5	CC	60	98	31	73	5E	D4	A4	69	~\$æ.G.Ÿi'~ls^Ômi
019ACB60	33	27	73	A5	A5	3C	5B	FA	94	59	95	3B	48	C8	3B	C8	3'sŸŸ<[ú"Y+;HÈ;È
019ACB70	71	D2	CB	A3	3C	01	BB	25	2D	26	CC	79	7B	EE	CC	81	qÔE±<.»%-&Iy(i!i.
019ACB80	03	4D	22	4B	7B	22	FE	70	09	A5	B3	27	B1	EA	3C	FA	.M"K{"pp.Ÿ'±ê<ú
019ACB90	E3	A0	D3	E0	1A	C3	D4	C1	BB	A1	43	9B	F9	23	23	9B	â Ôâ.ÃÔÃ»;C>û##>
019ACBA0	4F	A1	EC	84	F0	8D	1D	B3	99	36	32	8B	15	CB	38	78	O;î„ð..™62<.È8x
019ACBB0	8A	F8	DA	30	74	28	37	58	30	76	18	4F	50	65	68	65	ŠæÜ0t(7X0v.OPeHe
019ACBC0	29	4E	05	00	50	4B	01	02	17	0B	14	00	02	00	08	00	)N..PK.....
019ACBD0	58	3A	78	51	33	99	04	8D	8F	01	00	00	8D	01	00	00	X:xQ3™.....
019ACBE0	07	00	09	00	00	00	00	00	00	00	20	00	80	81	00	00	..... .E....
019ACBF0	00	00	7A	6F	6F	2E	78	6D	64	55	54	05	00	07	00	00	..zoo.xmdUI.....
019ACC00	00	00	50	4B	05	06	00	00	00	00	01	00	01	00	3E	00	..PK.....>.
019ACC10	00	00	C5	01	00	00	00	00	50	4B	03	04	0A	00	00	00	..Ã.....PK.....
019ACC20	00	00	2F	48	37	44	84	9E	E8	B4	0E	00	00	00	0E	00	../H7D„žè'.....
019ACC30	00	00	09	00	1C	00	68	65	6C	6C	6F	2E	74	78	74	55	.....hello.txtU
019ACC40	54	09	00	03	B9	20	E1	52	B9	20	E1	52	75	78	0B	00	T...^ áR^ áRux...
019ACC50	01	04	F6	01	00	00	04	F6	01	00	00	48	65	6C	6C	6F	..ð....ð...Hello
019ACC60	2C	20	57	6F	72	6C	64	21	0A	50	4B	03	04	0A	00	00	, World!..PK.....
019ACC70	08	00	00	1A	48	37	44	21	F2	82	FA	0D	00	00	00	0D	....H7D!ò,û.....
019ACC80	00	00	00	10	00	1C	00	ED	94	84	EB	A1	9C	EA	B7	B8	„i“„ë;æè'.....
019ACC90	EB	9E	A8	2E	74	78	74	55	54	09	00	03	93	20	E1	52	ëž'..txtUT...^ áR
019ACCA0	93	20	E1	52	75	78	0B	00	01	04	F6	01	00	00	04	F6	^ áRux....ð....ð
019ACCB0	01	00	00	ED	94	84	EB	A1	9C	EA	B7	B8	EB	9E	A8	0A	...i“„ë;æè'„ëž'.
019ACCC0	50	4B	01	02	1E	03	0A	00	00	00	00	00	2F	48	37	44	PK...../H7D
019ACCD0	84	9E	E8	B4	0E	00	00	00	0E	00	00	00	09	00	18	00	„žè'.....
019ACCE0	00	00	00	00	01	00	00	00	B4	81	00	00	00	00	68	65	.....'.....he
019ACCF0	6C	6C	6F	2E	74	78	74	55	54	05	00	03	B9	20	E1	52	llo.txtUT...^ áR
019ACD00	75	78	0B	00	01	04	F6	01	00	00	04	F6	01	00	00	50	ux....ð....ð...P
019ACD10	4B	01	02	1E	03	0A	00	00	08	00	00	1A	48	37	44	21	K.....H7D!
019ACD20	F2	82	FA	0D	00	00	00	0D	00	00	00	10	00	18	00	00	ò,û.....
019ACD30	00	00	00	01	00	00	00	B4	81	51	00	00	00	ED	94	84	.....'.....Q...i“„
019ACD40	EB	A1	9C	EA	B7	B8	EB	9E	A8	2E	74	78	74	55	54	05	ë;æè'„ëž'..txtUT.
019ACD50	00	03	93	20	E1	52	75	78	0B	00	01	04	F6	01	00	00	...^ áRux....ð....
019ACD60	04	F6	01	00	00	50	4B	05	06	00	00	00	00	02	00	02	..ð....PK.....
019ACD70	00	A5	00	00	00	A8	00	00	00	00	00	00	00	00	00	00	..Ÿ.....

체크섬 검색 (1009개의 검색 결과)

오프셋	잘라내기 (16진수)	잘라내기 (텍스트)
270	02 00 00 00 01 00 00 00 56 65 72 73 69 6F 6E 00 50 4B 03 04 14 00 00 00 08 00 00 00 21 5...	.....Version.PK.....IP?
27D9	00 00 01 00 01 00 35 00 00 00 1E 25 00 00 00 00 50 4B 03 04 14 00 00 00 08 00 00 00 21 5...	...5...%...PK.....IP%42
1E11A	00 00 01 00 01 00 35 00 00 00 F6 B8 01 00 00 00 50 4B 03 04 14 00 00 00 08 00 00 00 21 5...	...5...ð...PK.....IP.w
3BE65	00 00 01 00 01 00 35 00 00 00 DD 01 00 00 00 50 4B 03 04 14 00 00 00 08 00 00 00 21 ...	...5...Ÿ...PK.....IP/Æ
596E3	00 00 01 00 01 00 35 00 00 00 33 D8 01 00 00 00 50 4B 03 04 14 00 00 00 08 00 00 00 21 ...	...5...3Ø...PK.....IP™)
7878E	00 00 01 00 01 00 35 00 00 00 F0 01 00 00 00 50 4B 03 04 14 00 00 00 08 00 00 00 21 5...	...5...ž...PK.....IPJZ
97556	00 00 01 00 01 00 35 00 00 00 7D ED 01 00 00 00 50 4B 03 04 14 00 00 00 08 00 00 00 21 ...	...5...j|...PK.....IPóœ
B6646	00 00 01 00 01 00 35 00 00 00 A5 F0 01 00 00 00 50 4B 03 04 14 00 00 00 08 00 00 00 21 5...	...5...Ÿð...PK.....IPĀĪ
D1ECE	00 00 01 00 01 00 35 00 00 00 3D B8 01 00 00 00 50 4B 03 04 14 00 00 00 08 00 00 00 21 5...	...5...=...PK.....IPø.
F02A1	00 00 01 00 01 00 35 00 00 00 88 E3 01 00 00 00 50 4B 03 04 14 00 00 00 08 00 00 00 21 5...	...5...ž...PK.....IP.<

PKZIP archive_1 : 50 4B 03 04

carving_target.bin	
Offset (h)	Decoded text
019ACC40	T...² áR² áRux..
019ACC50	..ö....ö...Hello
019ACC60	, World!.PK.....
019ACC70	....H7D!ö,ú.....
019ACC80	.....i"„ë;œë„
019ACC90	ëž".txtUT...² áR
019ACCA0	" áRux....ö....ö
019ACCB0	...i"„ë;œë„ëž".
019ACCC0	PK...../H7D
019ACCD0	„žë".
019ACCE0	.....he
019ACCF0	llo.txtUT...² áR
019ACD00	ux....ö....ö...P
019ACD10	K.....H7D!
019ACD20	ö,ú.....
019ACD30	.....Q...i"„
019ACD40	ë;œë„ëž".txtUT.
019ACD50	..² áRux....ö....
019ACD60	ö...PK.....
019ACD70	.¥.....

체크섬 검색 (393개의 검색 결과)		
오프셋	잘라내기 (16진수)	잘라내기 (텍스트)
27C3	00 00 00 B6 81 00 00 00 00 30 30 2E 65 78 32 50 4B 05 06 00 00 00 01 00 01 00 35 0...	...f.....000.ex2PK.....5.
1E104	00 00 00 B6 81 00 00 00 00 30 30 35 2E 73 64 62 50 4B 05 06 00 00 00 01 00 01 00 35 0...	...f.....005.sdbPK.....5.
3BE4F	00 00 00 B6 81 00 00 00 00 30 30 38 2E 73 64 62 50 4B 05 06 00 00 00 01 00 01 00 35 0...	...f.....008.sdbPK.....5.
596CD	00 00 00 B6 81 00 00 00 00 30 30 39 2E 73 64 62 50 4B 05 06 00 00 00 01 00 01 00 35 0...	...f.....009.sdbPK.....5.
78778	00 00 00 B6 81 00 00 00 00 30 31 30 2E 73 64 62 50 4B 05 06 00 00 00 01 00 01 00 35 0...	...f.....010.sdbPK.....5.
97540	00 00 00 B6 81 00 00 00 00 30 31 31 2E 73 64 62 50 4B 05 06 00 00 00 01 00 01 00 35 0...	...f.....011.sdbPK.....5.
B6630	00 00 00 B6 81 00 00 00 00 30 31 32 2E 73 64 62 50 4B 05 06 00 00 00 01 00 01 00 35 0...	...f.....012.sdbPK.....5.
D1EB8	00 00 00 B6 81 00 00 00 00 30 31 37 2E 73 64 62 50 4B 05 06 00 00 00 01 00 01 00 35 0...	...f.....017.sdbPK.....5.
F028B	00 00 00 B6 81 00 00 00 00 30 32 31 2E 73 64 62 50 4B 05 06 00 00 00 01 00 01 00 35 0...	...f.....021.sdbPK.....5.
10FD04	00 00 00 B6 81 00 00 00 00 30 32 32 2E 73 64 62 50 4B 05 06 00 00 00 01 00 01 00 35 0...	...f.....022.sdbPK.....5.

PKZIP archive_2 : 50 4B 05 06

carving_target.bin

Offset (h)	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	Decoded text
010486D0	28	86	E6	7B	D0	61	7C	4B	1B	88	3C	7D	74	22	D6	71	(tæ{Ba|K.^<}t"Öq
010486E0	AB	BA	A4	7F	0D	40	04	CF	17	9D	64	08	81	BC	FC	1E	«°M..@.İ..d..,4ü.
010486F0	FE	40	7F	64	CD	12	17	1A	A6	F9	6A	3F	44	C8	90	8D	p@.dİ...!ùj?DÈ..
01048700	0C	78	99	15	FE	A6	44	34	F7	D0	6D	C0	C1	AA	D5	0E	.x™.p;D4÷BmAA*Ö.
01048710	C2	D1	A2	69	B8	3D	F4	26	94	E1	5B	9C	D2	8A	E2	1E	ÄÑci,=ô&"á[æÖÖä.
01048720	A1	6C	ED	0B	92	8C	EC	DE	18	E9	3B	EC	58	C4	7F	9E	;li.'ÇiP.é;ixÄ.ž
01048730	47	F8	C0	90	9E	FE	72	87	4E	E4	46	33	38	64	83	FD	GøÄ.žpr+Naf38dfý
01048740	97	99	35	F1	15	0D	CF	20	BE	76	C2	17	FC	FD	F5	A0	→5ñ...İ %vÄ.üýö
01048750	6E	40	6E	70	70	5F	40	BA	07	3A	DE	12	01	72	36	BB	n@npp_@°.b.r6»
01048760	17	4B	0F	C2	3C	EE	2B	7F	7F	48	1B	48	6D	CE	3E	2B	.K.Ä<İ+..H.Hmİ>+
01048770	9A	CB	53	D8	EF	77	E0	1B	05	3C	8F	CB	4D	AD	37	2F	šESøiwä...<.EM.7/
01048780	D9	45	7F	D4	81	98	70	70	2F	45	28	1B	04	E9	BD	22	ÜE.Ö."pp/E(..é½"
01048790	DD	DE	41	FD	3D	19	F9	96	47	D4	E2	35	15	0A	D3	33	ÝbAy=.ù-GÖä5..Ö3
010487A0	F1	9E	FA	EF	50	BD	7D	71	AD	86	DA	56	AF	E8	DD	78	ñžúİP½;q.+ÜV~èYx
010487B0	DD	5D	1A	F3	A3	31	DD	0B	C1	0B	87	2B	20	F4	B0	E7	Ýj..ôêİY.Ä.+ ø°ç
010487C0	33	D8	99	87	22	7E	A7	A6	61	05	4A	2E	F6	D1	50	8B	3ø™+~\$;a.J.öŊP<
010487D0	8E	34	48	97	8F	D3	E8	6E	B8	42	67	33	7C	BD	3C	2D	Ž4H-.öèn,Bg3|½<-
010487E0	15	B7	0D	70	1E	1E	B0	3D	D8	9F	0C	53	06	43	FC	E0	.p...°=öY.S.Cüä
010487F0	5B	94	1A	FD	2F	50	4B	07	08	3B	9B	B7	D5	17	1C	00	[".ý/ÈK...;>ö...
01048800	00	4A	4B	00	00	50	4B	01	02	14	00	14	00	08	08	08	.JK..PK.....
01048810	00	00	00	51	57	4C	90	33	6B	E8	00	00	00	4B	01	00	...QWL.3kè...K..
01048820	00	19	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
01048830	00	00	00	63	6C	61	73	73	65	73	2F	6D	6F	64	75	6C	...classes/modul
01048840	65	2D	69	6E	66	6F	2E	63	6C	61	73	73	50	4B	01	02	e-info.classPK..
01048850	14	00	14	00	08	08	08	00	00	00	51	57	33	8C	D4	C2	.....QW3ÖÖÄ
01048860	DC	09	00	00	61	13	00	00	2C	00	00	00	00	00	00	00	Ü...a.....
01048870	00	00	00	00	00	00	2F	01	00	00	63	6C	61	73	73	65	...../...classe
01048880	73	2F	6A	64	6B	2F	6E	69	6F	2F	7A	69	70	66	73	2F	s/jdk/nio/zipfs/
01048890	42	79	74	65	41	72	72	61	79	43	68	61	6E	6E	65	6C	ByteArrayChannel
010488A0	2E	63	6C	61	73	73	50	4B	01	02	14	00	14	00	08	08	.classPK.....
010488B0	08	00	00	00	51	57	5D	C5	7B	94	A7	02	00	00	61	04	....QW]Ä{"s...a.
010488C0	00	00	29	00	00	00	00	00	00	00	00	00	00	00	00	00	..).....
010488D0	65	0B	00	00	63	6C	61	73	73	65	73	2F	6A	64	6B	2F	e...classes/jdk/
010488E0	6E	69	6F	2F	7A	69	70	66	73	2F	5A	69	70	43	6F	64	nio/zipfs/ZipCod
010488F0	65	72	24	55	54	46	38	2E	63	6C	61	73	73	50	4B	01	er\$UTF8.classPK.
01048900	02	14	00	14	00	08	08	08	00	00	00	51	57	8C	26	CD	.....QW&İ
01048910	C0	22	08	00	00	DA	10	00	00	24	00	00	00	00	00	00	Ä"...Ü...\$.....

제크섬 검색 (39개의 검색 결과)

오프셋	잘라내기 (16진수)	잘라내기 (텍스트)
102DFD0	0F 3F 08 AB 26 DF 36 BA 81 E7 BD E0 2A F4 C4 5F 50 4B 07 08 4C 90 33 6B E8 00 00 00 4B ...	?..ø6°ç½â*ôÄ_ PK..L
102EA06	BE CF DF CB 98 51 B1 D3 70 9E 2F 13 17 B1 F6 7F 50 4B 07 08 33 8C D4 C2 DC 09 00 00 61 ...	%iBÈ"Q±Öpz/.±ö.PK..3i
102ED04	7C 58 D3 98 F7 63 08 F7 7D 7C F2 9B 92 41 E8 17 50 4B 07 08 5D C5 78 94 A7 02 00 00 61 ...	|[Ö~+c.~)]ö'Aè.PK..]Ä{"½
102F578	AA 58 68 1C 28 FE C1 AF 52 F5 55 8E 7F C2 F8 5F 50 4B 07 08 8C 26 CD C0 22 08 00 00 DA ...	*Xk.(bÄ"RöUž.Äü.PK..CE
102FE80	07 97 E8 C5 33 B9 0F 31 13 78 8E 2F FD 8D FF 03 50 4B 07 08 41 96 23 33 E2 08 00 00 7A 1...	—èÄ3±.1.(žY.ý.PK..A-#
10301E4	FF 73 8C 70 77 BA A8 70 B2 08 CC 2D 08 7D FF 00 50 4B 07 08 E9 21 F2 91 D6 02 00 00 53 ...	ýs½4pw°p½|-.jý.PK..élò\
1030689	BE 38 4C 47 D8 06 EA B9 88 0D 87 87 16 E7 F3 3F 50 4B 07 08 E6 E9 87 BA 49 04 00 00 87 0...	%8LGÜ.è~+.çó?PK..æé
1030B19	1D 34 25 EE 92 A7 58 25 85 FE 76 B1 BF 3C F0 07 50 4B 07 08 30 96 E5 95 2B 04 00 00 F7 0...	.4%İ\$X%...pv±¿<ö.PK..0
1031520	2C D2 03 F8 E3 8D 97 E3 4F F8 08 FE 86 B2 FF 02 50 4B 07 08 24 18 68 09 A9 09 00 00 08 1...	Ö.øä.—äOø.p±ý.PK..\$.k
103169R	0D 1E 62 40 AA 21 A9 5A 38 A2 E8 B8 8E 4E BE 00 50 4B 07 08 E0 63 58 93 20 01 00 00 C3 ...	..b@!@Z8èèŽN¼.PK..è

PKZIP archive_3 : 50 4B 07 08